ROBERT MILLER, MONTREAL.

MILLER'S

CANADIAN

FARMER'S ALMANAC

FOR THE YEAR OF OUR LORD

1870.

Montreal:
PUBLISHED BY ROBERT MILLER,
397 NOTRE DAME STREET.

ROBERT MILLER, MONTREAL.

Agent for LOVELL'S and the NEW SERIES of SCHOOL BOOKS.

Paper Maker, Wholesale Stationer, School Book Publisher, and Blank Book Manufacturer.

ROBERT MILLER,

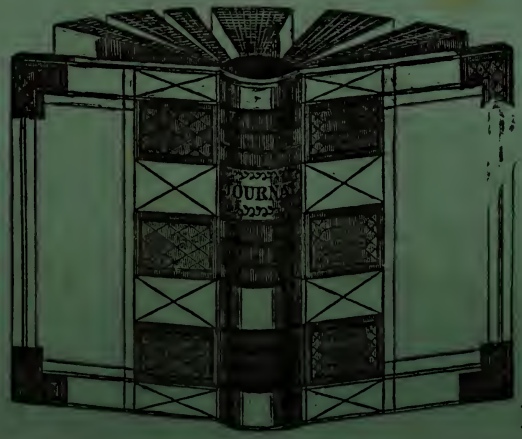
GENERAL BOOKBINDER AND MANUFACTURING STATIONER.

KEEPS CONSTANTLY ON HAND OR MANUFACTURES TO ORDER EVERY DESCRIPTION OF

Merchants', Manufacturers' and Traders' Account Books.
Registration "
Copying Letter "
School Exercise "
Pass and Mem's "
Time "

(SUITABLE FOR EVERY TRADE.)

DIARIES, WALLETS
AND
BANKERS' CASES.



BOOK BINDING

EXECUTED IN EVERY STYLE

FROM THE

Plainest and Cheapest

TO THE

MOST ELEGANT.

LIBRARIES REBOUND

AND

BOOKS REPAIRED.

RULING TO ANY PATTERN

Estimates furnished and a liberal discount allowed to Country Booksellers, Printers, &c.

MONTREAL.

MILLER'S

CANADIAN

FARMER'S ALMANAC

FOR THE YEAR OF OUR LORD

1870.

Being the second after Bissextile or Leap Year, and until the 20th June, the Thirty Third Year of the Reign of Her Majesty Queen Victoria.

Calculated for the Meridian of Montreal, in Latitude 45° 30′ 26″ North, and Longitude 73° 24′ 22″ West, from the Royal Observatory, Greenwich, but arranged so as to serve without essential variation for all parts of the Dominion of Canada.

EDITION OF THIRTY-FIVE THOUSAND.

Entered according to Act of Parliament of Canada in the year of our Lord one Thousand Eight Hundred and Sixty-Nine, by ROBERT MILLER, in the Office of the Registrar of the Dominion.

Montreal:

PUBLISHED BY ROBERT MILLER,

NOTRE DAME STREET.

Agent for LOVELL'S, AND THE NEW SERIES of SCHOOL BOOKS.

Paper Maker, Wholesale Stationer, School Book Publisher, and Blank Book Manufacturer.

PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.

EXPLANATION OF CALENDAR PAGE.

The Publisher of this Almanac, with a view to increase its circulation and usefulness, has adapted its calculations for the whole country. The Moon's changes are given for five different places, viz: Quebec, Montreal, Kingston, Toronto, and London. The rising and setting of the Sun are given for Montreal and Toronto. The rising and setting of the Moon are given with sufficient exactness for all practical purposes. The weather prognostications are again calculated according to the table of the celebrated Dr. Herschel; and for extraordinary accuracy, Miller's Almanac retains its wonderful popularity.

—o—

CHRONOLOGICAL CYCLES.

Dominical Letter	B.	Julian Period	6583
Golden Number	9	Jewish Year, commencing 30th September	5630
Jewish Lunar Cycle	6	Mohammedan Year	1287
Epact or Moon's Age	28	Roman Indiction	13
Solar Cycle	3		

—o—

MOVABLE FESTIVALS.

Septuagesima Sunday	Feb.	13	Low Sunday	April	24
Quinquagesima "	"	27	Rogation Sunday	May	22
Ash Wednesday	March	2	Ascension Day	"	26
First Sunday in Lent	"	6	Whitsunday	June	5
Palm Sunday	April	10	Trinity Sunday	"	12
Good Friday	"	15	Corpus Christi	"	16
Easter Sunday	"	17	Advent Sunday	Nov.	27

—o—

BANK HOLIDAYS IN ONTARIO.

Sundays, Christmas Day, New Year's Day, Ash Wednesday, Good Friday, Easter Monday, Queen's Birth Day and each day appointed by Royal Proclamation for a general fast or thanksgiving.

—o—

HOLIDAYS OF PUBLIC OFFICES IN QUEBEC.

Circumcision	Jan.	1	Corpus Christi	June	16
Epiphany	"	6	St. Peter and St. Paul	"	29
Annunciation Vir. M.	March	25	All Saints Day	Nov.	1
Good Friday	April	15	Conception of the Blessed Virgin Mary	Dec.	8
Ascension Day	May	26	Christmas Day	"	25
Queen's Birth Day	"	24			

LOVELL'S and the "New Series" of School Books are now

ECLIPSES DURING THE YEAR 1870.

Although there will be six Eclipses this year, none of them will require special notice here, as only one will be visible, and that at the Eastern extremity of the Dominion of Canada.

I. On the 17th of January there will be total Eclipse of the Moon visible in Asia, Europe, and the Western part of North America.

II. On the 31st of January there will be a partial Eclipse of the Sun, not visible in this Dominion.

III. On the 28th of June there will be an Eclipse of the Sun, not visible here.

IV. On the 12th of July there will be a total Eclipse of the Moon, visible in the Eastern parts of Nova Scotia, New Brunswick and Newfoundland.

V. On the 28th of July, a partial Eclipse of the Sun will occur in the Arctic Regions.

VI. On the 28th December, a total Eclipse of the Sun will take place, but not visible in any part of North America.

—o—

EQUINOXES AND SOLTSICES.

		D.	H.	M.	
Vernal Equinox	begins.....March	20	at 2	24	evening.
Summer Solstice	" .....June	21	10	48	morning.
Autumnal Equinox	" .....Sept'r	23	1	1	morning.
Winter Solstice	" .....Dec'r	21	7	5	evening.

—o—

APPEARANCES OF THE PLANETS, 1870.

Venus will be an Evening Star, until February 23, thence until December 8th a Morning Star. Mars will be a Morning Star from March 12, to near the end of the year. Jupiter will be a Morning Star from May 24 to September 18 and then an Evening Star. Saturn is a Morning Star, until March 18 and an Evening Star from that date to December 22nd. The times most favorable for seeing Mercury will be March 3. July 1, and October 22, then in the East a little before Sunrise. Also, low in the West soon after Sunset on 15th January, 8th May, 4th September and 29th December.

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
New Moon	1	7 18 ev.	7 12 ev.	7 00 ev.	6 48 ev.	6 40 ev.
First Quarter	9	4 14 ev.	4 8 ev.	3 56 ev.	3 44 ev.	3 36 ev.
Full Moon	17	9 57 mo.	9 51 mo.	9 39 mo.	9 27 mo.	9 19 mo.
Third Quarter	24	5 35 mo.	5 29 mo.	5 17 mo.	5 5 mo.	4 57 mo.
New Moon	31	10 53 mo.	10 47 mo.	10 35 mo.	10 23 mo.	10 15 mo.

DAYS. M.	Week.	Montreal. Sun Rises.	Montreal. Sun Sets.	Toronto. Sun Rises.	Toronto. Sun Sets.	Sun's Declinat. South.	The Moon. R. & S.	Sun on Meridian. D.	h.	m.	s.	Calendar, Aspects, &c.
								1	12	8	57	
								9	12	7	31	
								17	12	10	28	
								25	12	12	39	
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.					
1	Sat.	7 46	4 20	7 40	4 28	22 59	4 36	*Circumcision.*				
2	B.	7 46	4 21	7 40	4 29	22 54	5 34	*2nd Sunday after Christmas.*				
3	Mon.	46	22	40	30	22 48	6 36	We look for considerable				
4	Tues.	45	23	39	31	22 42	7 39	inclemency of weather				
5	Wed.	45	24	39	32	22 35	8 41	through all this month.				
6	Thu.	44	25	39	33	22 28	9 41	*Epiphany.* Stormy.				
7	Fri.	44	27	39	34	22 21	10 41	The changeableness of the				
8	Sat.	44	28	38	35	21 13	11 38	season rather unusual.				
9	B.	7 43	4 29	7 38	4 36	22 4	Morn.	*1st Sunday after Epiphany.*				
10	Mon.	43	31	37	37	21 55	0 36	This week will present va-				
11	Tues.	42	33	37	38	21 46	1 33	riations, but will on the				
12	Wed.	42	34	37	40	21 36	2 31	whole be fair, fine & frosty.				
13	Thu.	41	36	37	41	21 26	3 31	Some cold wind with sleet				
14	Fri.	40	37	36	42	21 16	4 31	and tendencies to have				
15	Sat.	40	38	36	43	21 5	5 31	Cold rain or snow.				
16	B.	7 39	4 39	7 35	4 44	20 53	Rises.	*2nd Sunday after Epiphany.*				
17	Mon.	39	41	35	45	20 41	5 14	We shall have storms of				
18	Tues.	38	42	34	46	20 29	6 22	wind-snow, hail.				
19	Wed.	37	43	33	48	20 17	7 32	Dritting & very unpleasant				
20	Thu.	36	45	32	49	20 4	8 43	for all outdoor workers.				
21	Fri.	35	47	31	50	19 51	9 55	Changeable, but no prospect				
22	Sat.	34	49	30	52	19 37	11 5	of steady calm.				
23	B.	7 33	4 51	7 29	4 53	19 23	Morn.	*3rd Sunday after Epiphany.*				
24	Mon.	32	52	28	54	19 8	0 16	Look for downfall.				
25	Tues.	31	53	27	56	18 54	1 26	*Conversion of St. Paul.*				
26	Wed.	31	54	26	57	18 39	2 34	Snow again and this month				
27	Thu.	30	55	25	58	18 23	3 42	will have proved a real				
28	Fri.	29	56	25	5 00	18 7	4 46	Canadian winter season				
29	Sat.	29	57	24	1	17 51	5 54	and no mistake.				
30	B.	7 28	4 59	7 24	5 2	17 35	6 35	*4th Sunday after Epiphany.*				
31	Mon.	27	5 00	7 23	4	17 18	7 19	The end as the beginning.				

JANUARY.—We have often recommended our young farmers to devote some of their long winter evenings to useful reading. An intelligent and thrifty farmer says: "But for the co-operation of my boys I should have failed. I worked hard, so did they. The eldest is near twenty one, and other boys in the neighbourhood, younger, have left their parents; mine have stuck to me when I most needed their services. I attribute this to the fact that I have tried to make home pleasant for them. I have furnished them with attractive and useful reading; and when night comes, and the day's labour is ended, instead of running with the other boys to the railway station and adjoining towns, they gather around the great lamp, and become absorbed in their books and papers." Give then to the young people good books and magazines.

Use LOVELL'S General Geography, by J. G. Hodgins.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18 Abraham Davis marié
19
20
21
22
23
24
25
26
27
28
29
30
31

Use MILLER'S Headline Copy Books in 12 Nos.

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
First Quarter.....	8	1 31 ev.	1 25 ev.	1 13 ev.	1 1ev.	0 57 ev.
Full Moon.	15	10 39 ev.	10 33 ev.	10 21 ev.	10 9ev.	10 1 ev.
Third Quarter.....	22	1 58 ev.	1 52 ev.	1 40 ev.	1 28 ev.	1 20 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.	
								D.	h. m. s.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.	1	12 13 53
								9	12 14 29
								17	12 14 13
								25	12 13 14
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	Calendar, Aspects, &c.	
1	Tues.	7 27	5 2	7 23	5 5	17 1	6 27	This month no better, and	
2	Wed.	26	3	22	6	16 41	7 28	*Purification of Virgin Mary*	
3	Thu.	25	4	21	6	16 26	8 27	there will be a good deal	
4	Fri.	23	5	19	7	16 9	9 26	of snow storms. Winds	
5	Sat.	22	6	17	8	15 50	10 24	and storms prevails.	
..									
6	B.	7 20	5 7	7 16	5 9	15 32	11 21	*5th Sunday after Epiphany.*	
7	Mon.	19	8	14	9	15 13	Morn.	Can't help it, must predict	
8	Tues.	18	9	13	11	14 54	0 19	what we foresee, rough &	
9	Wed.	17	11	12	13	14 35	1 16	troublesome storms, bad	
10	Thu.	16	13	11	14	14 16	2 17	roads and Grand Trunk	
11	Fri.	14	14	9	16	13 56	3 15	stoppages and delays.	
12	Sat.	13	16	7	17	13 36	4 13	Somewhat milder.	
..									
13	B.	7 11	5 17	7 6	5 18	13 16	5 8	*Septuagesima Sunday.*	
14	Mon.	10	18	5	19	12 55	5 59	ST. VALENTINE'S DAY.	
15	Tues.	9	19	4	20	12 35	Rises.	Busy time at the Post offices.	
16	Wed.	8	20	2	22	12 14	6 24	Fair and frosty for next few	
17	Thu.	6	22	1	24	11 53	7 38	days, and the nights are	
18	Fri.	4	24	6 59	25	11 32	8 51	very severe without any	
19	Sat.	3	25	57	27	11 11	10 5	change yet.	
..									
20	B.	7 1	5 27	6 56	5 28	10 49	11 17	*Sexagesima Sunday.*	
21	Mon.	6 59	28	55	30	10 28	Morn.	Hard frosts continue unless	
22	Tues.	57	30	52	31	10 6	0 27	the wind be South or	
23	Wed.	56	32	50	33	9 44	1 35	South West. Cold.	
24	Thu.	54	34	49	34	9 22	2 40	ST. MATHIAS.	
25	Fri.	52	35	47	35	8 59	3 39	We anticipate a repetition	
26	Sat.	49	37	46	37	8 37	4 32	of windy and stormy.	
..									
27	B.	6 48	5 38	6 46	5 38	8 14	5 16	*Quinquagesima Sunday.*	
28	Mon.	47	40	44	40	7 52	5 56	Weather at this date.	

FEBRUARY.—Experimental farmers have long urged the importance and even necessity of chopping or grinding hay, as well as other food, for cattle and horses. Lazy drones have had a hearty laugh over the idea, and called it "book farming." Now, the theory of chopping and grinding food is based on a principle which lies at the foundation of animal physiology. Rest is essential to the accumulation of muscle, as well as fat. If we wish to increase an animal in flesh or fat, we do not work him. Now, a cow wants one thirtieth of her own weight in hay each day, to keep her in good order; and we thus calculate the amount of labour required to masticate the food, and fit it for the stomach. The labour of chopping or grinding 25 pounds of dry hay every day, is no small item. This is performed by the jaws, which affect all other muscles, and causes quicker circulation of blood and breath, retarding growth.

LOVELL'S Easy Lessons in Geography with Maps, &c.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
New Moon	2	3 52 mo.	3 46 mo.	8 34 mo.	3 22 mo.	3 14 mo.
First Quarter	10	8 23 mo.	8 17 mo.	8 5 mo	7 53 mo.	7 45 mo
Full Moon	17	9 4 mo.	8 58 mo.	8 46 mo.	8 34 mo.	8 26 mo
Third Quarter	23	11 50 ev.	11 44 ev.	11 32 ev.	11 20 ev.	11 12 ev.
New Moon	31	9 10 ev.	9 4 ev.	8 52 ev.	8 40 ev.	8 32 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.		
								D.	h. m. s.	
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.	1	12 12 30	
								9	12 10 39	
								17	12 8 26	
								25	12 6 0	
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	Calendar, Aspects, &c.		
1	Tues.	6 45	5 42	6 43	5 41	7 29	5 17	*Shrove Tues.* ST. DAVID'S		
2	Wed.	44	43	42	42	7 6	6 17	*Ash Wednesday.* [DAY.		
3	Thu.	42	44	40	44	6 43	7 17	March will also be given to		
4	Fri.	40	45	39	46	6 20	8 14	change but considerable		
5	Sat.	38	47	37	48	5 57	9 13	snow and wind.		
6	B.	6 38	5 48	6 34	5 49	5 34	10 10	*1st Sunday in Lent.*		
7	Mon.	34	49	33	50	5 11	11 7	Somewhat calmer but with		
8	Tues.	31	51	31	51	4 47	Morn.	the change of moon on the		
9	Wed.	29	53	29	53	4 24	0 5	10th there is likelihood of		
10	Thu.	27	54	27	55	4 0	1 3	rain if wind be West but		
11	Fri.	25	55	25	56	3 37	2 1	snow if wind be East.		
12	Sat.	24	56	23	57	3 13	2 56	Steady and calmer weather.		
13	B.	6 22	5 58	6 22	5 58	2 49	3 46	*2nd Sunday in Lent.*		
14	Mon.	20	59	20	6 1	2 26	4 34	Beautiful and bright,		
15	Tues.	18	6 1	18	2	2 2	5 17	Both day and night.		
16	Wed.	16	2	16	3	1 38	Rises.	Cool wind and after		
17	Thu.	14	3	15	4	1 15	6 27	ST. PATRICK'S DAY.		
18	Fri.	12	4	12	6	0 51	7 42	there will be cold rain.		
19	Sat.	10	5	10	7	0 27	8 58	Not very agreeable.		
20	B.	6 9	6 7	6 9	6 8	S. 4	10 12	*3rd Sunday in Lent.*		
21	Mon.	7	8	6	9	N. 19	11 25	Very pleasant day and yet		
22	Tues.	5	9	5	11	0 43	Morn.	clouds appear with wind		
23	Wed.	3	11	3	12	1 6	0 33	threatening cold rain.		
24	Thu.	1	13	1	13	1 30	1 35	Not very agreeable.		
25	Fri.	5 59	15	5 59	14	1 54	2 30	*Annunciation of V. Mary.*		
26	Sat.	57	16	58	16	2 17	3 18	Calmer and pleasanter.		
27	B.	5 55	6 17	5 56	6 17	2 41	3 56	*4th Sunday in Lent.*		
28	Mon.	53	18	54	18	3 4	4 31	Toward this month's end		
29	Tues.	52	19	53	20	3 27	5 2	there will be considerable		
30	Wed.	50	20	51	21	3 51	5 28	rains and cold rain winds.		
31	Thu.	48	21	49	21	4 14	5 54	So it ends.		

MARCH.—Give your cattle enough to eat, and no more. Many careless men and boys, will stuff the rack full of hay, half of which may be wasted by being pulled out under the feet of the animal. It is an excellent plan to cut the hay or corn fodder and wet or steam it, putting on a small quantity of meal or shorts, and then it will go down nicely and nothing will be lost. We believe a great amount of excellent fodder is yearly lost from careless feeding. The best farmers lose the least for they are most careful. All cattle should be so fed and treated that they will come out in good condition in the spring. The owner had better feed the cattle himself, if possible; if not, look carefully after those whom you employ as substitutes, for these are sometimes neither wise nor conscientious.

1
2
3
4
5
6
7
8 Nov mo mo de trois
9
10
11
12 Dernier mois commencé ce mois
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31 Mois monarch. 28 / jour mois

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
First Quarter.....	8	11 37 ev.	11 31 ev.	11 19 ev.	11 7 ev.	10 59 ev.
Full Moon.....	15	5 38 ev.	5 32 ev.	5 20 ev.	5 8 ev.	4 58 ev.
Third Quarter.....	22	11 37 mo.	11 31 mo.	11 19 mo.	11 7 mo.	10 59 mo.
New Moon.....	30	1 49 ev.	1 43 ev.	1 31 ev.	1 19 ev.	1 11 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.	
								D.	h. m. s.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	1	12 3 52
								9	12 1 32
								17	11 59 28
								25	11 57 48
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	Calendar, Aspects, &c.	
1	Fri.	5 46	6 22	5 47	6 21	4 37	7 5	ALL FOOLS' DAY, so called.	
2	Sat.	44	23	46	22	5 0	8 3	Pleasant and clear.	
3	B.	5 42	6 24	5 44	6 23	5 23	9 1	*5th Sunday in Lent.*	
4	Mon.	41	25	42	25	5 46	9 58	Notwithstanding there have	
5	Tues.	39	27	40	27	6 9	10 57	been & will be heavy rains	
6	Wed.	37	29	38	28	6 31	11 54	accompanied with wind,	
7	Thur.	35	30	36	29	6 54	Morn.	about now the weather is	
8	Fri.	33	31	35	30	7 17	0 48	becoming more steady &	
9	Sat.	32	32	33	32	7 39	1 40	spring like. Fair.	
10	B.	5 30	6 33	5 31	6 33	8 1	2 27	*Sunday before Easter.*	
11	Mon.	28	34	28	34	8 23	3 10	The week promises to be	
12	Tues.	26	36	26	35	8 45	3 49	very delightful. The farmer	
13	Wed.	24	37	24	36	9 7	4 25	bestirs himself, and must	
14	Thur.	22	38	23	37	9 29	4 58	take advantage of the sun.	
15	Fri.	20	40	21	39	9 50	Rises.	GOOD FRIDAY.	
16	Sat.	18	42	20	40	10 11	7 47	*Easter-Eventide.*	
17	B.	5 17	6 43	5 18	6 41	10 33	9 3	EASTER SUNDAY.	
18	Mon.	15	43	15	42	10 54	10 17	Cheerful look out, and this	
19	Tues.	13	45	14	43	11 14	11 24	week promises to be very	
20	Wed.	11	47	13	44	11 35	Morn.	pleasant, but there will be	
21	Thur.	10	48	11	45	11 55	0 24	cold nights with some	
22	Fri.	8	49	9	46	12 16	1 16	severe frosts.	
23	Sat.	6	50	8	47	12 36	1 59	ST. GEORGE'S DAY.	
24	B.	5 5	6 51	5 7	6 48	12 55	2 34	*1st Sunday after Easter.*	
25	Mon.	3	53	5	49	13 15	3 6	*St. Mark's Day.*	
26	Tues.	2	55	4	50	13 34	3 34	Great changeableness.	
27	Wed.	5 00	57	3	51	13 54	3 59	Cool and bright.	
28	Thur.	4 58	58	2	53	14 12	2 24	But the end of the month	
29	Fri.	56	59	1	54	14 31	4 48	will prove wet, rain falls	
30	Sat.	55	7 00	4 59	55	14 50	5 15	heavily.	

APRIL.—Currant bushes should be set in rows four to five feet apart, and four feet apart in the row. Set plants one year old of very strong, or two years from the cutting. The land should be very well manured; for currants seem to flourish in a very rich soil. The gooseberry may be set and treated in the same way. Blackberries like a rich, moist soil; should be set in rows, from seven to eight feet apart; and the plants four feet apart in the row. They should be set in the spring, and trained or tied up to wire trellises. Grape vines may be set in the field or garden, eight feet apart each way, and trained to wires fastened to posts running through the field. It is enough to plough the land for all the above named fruits. Manure well, except for grape vines, they are better with only little manuring.

SANGSTER'S National Arithmetic and Key.

1
2
3
4
5
6
7
8
9
10 Traie Cochonne 13.
11
12
13
14
15 vache velée Jos - 1 pain Chez Lamie
16
17
18
19
20
21
22
23 1 vache velée Rose -
24
25
26 7 Jr Used livré a Fralacha fils
27
28 vache velée - patate Trottier
29 Traie Cochonne 11
30

Moon's Phases.	D.	Quebec.	Montreal.	Kingston.	Toronto.	London.
		h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	8	10 49 mo.	10 43 mo.	10 31 mo.	10 19 mo.	10 11 mo.
Full Moon.....	15	1 15 mo.	1 9 mo.	0 57 mo.	0 45 mo.	0 37 mo.
Third Quarter.....	22	1 21 mo.	1 15 mo.	1 3 mo.	0 51 mo.	0 43 mo.
New Moon.....	30	5 9 mo.	5 3 mo.	4 51 mo.	4 39 mo.	4 31 mo.

DAYS.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Sun on Meridian.		
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.		R. & S.	D.	h. m. s.	
									1	11 56 56	
									9	11 56 14	
									17	11 56 9	
									25	11 56 39	
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	Calendar, Aspects, &c.		
1	B.	4 54	7 00	4 58	6 56	15	8	7 53	*2nd S. after Easter*, and also		
2	Mon.	53	1	57	57	15	26	8 51	*St. Philip and St. James.*		
3	Tues.	51	3	55	59	15	44	9 49	This moon came in rainy.		
4	Wed.	50	4	54	7 00	16	1	10 44	The sun struggling for leave		
5	Thur.	49	5	53	1	16	18	11 37	to shine. Yet for some		
6	Fri.	47	7	51	2	16	35	Morn.	days on the whole fine.		
7	Sat.	45	8	49	3	16	52	0 26	Could not wish finer day.		
8	B.	4 43	7 9	4 48	7 4	17	8	1 9	*3rd Sunday after Easter.*		
9	Mon.	41	10	47	5	17	24	1 48	Showers and you may look		
10	Tues.	40	11	46	6	17	40	2 22	for showery time.		
11	Wed.	39	12	45	7	17	56	2 57	Some winds, but very sea-		
12	Thur.	37	13	44	8	18	11	3 28	sonable weather may be		
13	Fri.	36	15	42	10	18	26	3 59	looked for, with chances		
14	Sat.	34	16	41	12	18	40	Rises.	for spring work all over.		
15	B.	4 33	7 17	4 40	7 13	18	55	7 52	*4th Sunday after Easter.*		
16	Mon.	32	18	39	14	19	9	9 4	This week will be one of the		
17	Tues.	31	19	38	15	19	22	10 10	most beautiful and agree-		
18	Wed.	30	20	37	16	19	35	11 8	able ever experienced.		
19	Thur.	29	21	36	17	19	40	11 57	First class farm weather and		
20	Fri.	28	22	35	19	20	0	Morn.	the gardens must not be		
21	Sat.	27	23	34	20	20	13	0 36	neglected.		
22	B.	4 27	7 24	4 33	7 21	20	25	1 9	*5th Sunday after Easter.*		
23	Mon.	26	25	32	22	20	37	1 39	A continuance of very good		
24	Tues.	25	27	31	23	20	48	2 4	weather, but now rather		
25	Wed.	24	28	31	24	20	59	2 28	changeable.		
26	Thur.	23	29	30	25	21	10	2 53	ASCENSION DAY.		
27	Fri.	22	30	29	25	21	20	3 18	Old Sol shines forth.		
28	Sat.	21	31	28	26	21	29	3 45	Steady good weather.		
29	B.	4 21	7 32	4 28	7 26	21	39	4 15	*Sunday after Ascension.*		
30	Mon.	20	33	27	26	21	48	Sets.	Rather warm to-day.		
31	Tues.	20	34	27	27	22	7	8 41	But somewhat cold nights		

MAY.—Even the question of planting potatoes has been variously answered. How many bushels to the acre? We can remember when eight to twelve bushels were planted. We do in some cases, where the tubers are valuable, make from three to four bushels answer for an acre. We cut our potatoes up very fine, each eye by itself, and then use two of the eyes to each hill. We get larger potatoes and more in a hill, and we have become fully convinced that all the potatoes, over five or six bushels, planted to the acre, are wasted, or worse than wasted. We ask those farmers who have been in the habit of planting large quantities to the acre, just to try the experiment with a less quantity and mark the result.

ROBERT MILLER is the Agent for

1
2
3
4
5
6
7
8
9
10 4 piastres pour un pourboire
11
12
13
14
15
16
17 Domicile de une petite fille
18 la chatte des petits chats
19 Messieurs Rosse de retour de son voyage
20
21 reçu A. Bourbonnais par A-
22
23
24
25
26
27
28 chez avec le Normand matin
29
30
31 jument grise avec le cheval de St Leon

Lalonde 7/6 en acompte

Moon's Phases.		*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
	D.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	6	6 28 ev.	6 22 ev.	6 10 ev.	5 58 ev.	5 50 ev.
Full Moon.....	13	8 59 mo.	8 53 mo.	8 41 mo.	8 29 mo.	8 21 mo.
Third Quarter.....	20	9 46 ev.	4 40 ev.	4 28 ev.	4 16 ev.	4 8 ev.
New Moon.....	28	6 45 ev.	6 39 ev.	6 27 ev.	6 15 ev.	6 7 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	D. 1 h. 11 m. 57 s. 32 9 11 58 56 17 12 0 35 25 12 2 18
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	**Calendar, Aspects, &c.**
1	Wed.	4 20	7 34	4 27	7 28	22 5	9 36	We expect some rain in the
2	Thur.	20	36	27	29	22 13	10 25	early days of June.
3	Fri.	19	37	26	31	22 20	11 11	Very pleasant and warm.
4	Sat.	19	37	26	31	22 27	M. 49	Some thunder in Toronto.
5	B.	4 18	7 38	4 25	7 32	22 34	Morn.	WHITSUNDAY.
6	Mon.	17	39	24	32	22 41	0 26	*Monday in Whitsun-week.*
7	Tues.	17	40	24	34	22 47	0 59	Much change about now.
8	Wed.	17	41	24	34	22 52	1 29	Wind shifting, if N. West
9	Thur.	17	42	24	35	22 57	1 59	fair, if S. or S. W. rainy.
10	Fri.	17	42	24	36	23 2	2 31	Very agreeable day.
11	Sat.	17	43	24	36	23 6	3 7	*St. Barnabas.*
12	B.	4 16	7 43	4 23	7 36	23 10	3 45	TRINITY SUNDAY.
13	Mon.	16	44	23	37	23 14	Rises.	This week is to be one of
14	Tues.	16	44	23	37	23 17	8 54	changes—very warm.
15	Wed.	16	44	23	38	23 20	9 47	The grass is growing finely,
16	Thur.	16	46	23	38	23 22	10 32	and there is every prospect
17	Fri.	16	46	23	39	23 24	11 9	of a good hay crop again.
18	Sat.	16	46	23	39	23 25	11 41	Very warm day.
19	B.	4 16	7 46	4 23	7 39	23 26	Morn.	*1st Sunday after Trinity.*
20	Mon.	16	47	23	40	23 27	0 6	There will be rain about now
21	Tues.	16	47	24	40	23 27	0 33	or very showery, but the
22	Wed.	17	47	25	40	23 27	0 57	warm rains will do good.
23	Thur.	17	47	25	39	23 26	1 22	Pretty hot weather.
24	Fri.	18	47	25	39	23 25	1 47	*Nativ. of St. John Baptist.*
25	Sat.	18	47	25	39	23 24	2 16	No great change.
26	B.	4 18	7 46	4 26	7 39	23 22	2 49	*2nd Sunday after Trinity.*
27	Mon.	19	46	26	39	23 20	3 27	Thunder and lightening,
28	Tues.	19	46	26	39	23 17	Sets.	very vivid flashes.
29	Wed.	20	46	25	38	23 14	8 21	*St. Peter's Day.*
30	Thur.	20	46	25	38	23 11	9 10	Month ends warm.

JUNE.—For many years we have been of opinion that the very best time to cut grass, and secure the greatest amount of nutriment, is just after the grass has bloomed, and the seed begins to form. It is not possible to secure the whole crop, when it is just at this stage of ripeness, and so every farmer who has considerable of a crop to secure should begin as soon as the grass is in bloom, and even then a portion of the crop may suffer to be cut days before it can be reached. We have known some who were called good farmers, leave their grass standing until August or September, unless it fell previously from over ripeness or decay. Now the cattle who have to eat such hay, do not relish it half as much as they do that cut the last of June, or during the first week or two of July, and they cannot receive as much benefit from it.

SANGSTER'S Elementary Arithmetic and Key.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23 Grise Cheval d'Aout.
24 m Lapointe aux Gilles - mon Anna
25 m Cadotte Berrigan £3. 10
26 m N. Lapointe Fille M. Louise +
27
28
29
30

MILLER'S, LAMB'S, MANSON'S and other Primers.

+ o Limpas L. Hays et Anna Cantlon

Moon's Phases.		*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
	D.	h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	5	11 42 ev.	11 36 ev.	11 24 ev.	11 12 ev.	11 4 ev.
Full Moon.....	12	5 47 ev.	5 41 ev.	5 29 ev.	5 17 ev.	5 9 ev.
Third Quarter.....	20	9 29 mo.	9 23 mo.	9 11 mo.	8 59 mo.	8 51 mo.
New Moon.....	28	6 30 mo.	6 24 mo.	6 12 mo.	6 00 mo.	5 52 mo.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.		
								D.	h.	m. s.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	1	12	3 32
								9	12	4 55
								17	12	5 50
								25	12	6 14
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	Calendar, Aspects, &c.		
1	Fri.	4 20	7 46	4 27	7 39	23 7	9 51	Heat, and dusty roads.		
2	Sat.	21	46	28	39	23 2	10 28	Weather very warm.		
3	B.	4 22	7 46	4 29	7 39	23 58	11 1	*3rd Sunday after Trinity.*		
4	Mon.	23	45	30	38	22 53	11 34	The week promises to be		
5	Tues.	23	45	30	38	22 47	Morn.	fair, but the heat will be		
6	Wed.	24	44	31	38	22 41	0 2	oppressive, until evening		
7	Thur.	25	44	32	38	22 35	0 33	shades appear.		
8	Fri.	26	44	33	37	22 28	1 4	There will be some heavy		
9	Sat.	27	43	34	36	22 21	1 41	thunder, with lightning.		
10	B.	4 28	7 43	4 34	7 36	22 14	2 23	*4th Sunday after Trinity.*		
11	Mon.	28	43	34	36	22 6	3 11	Another fair week but there		
12	Tues.	30	42	34	35	21 58	Rises.	will be showers occasion-		
13	Wed.	30	41	35	34	21 49	8 25	ally, and by the end of		
14	Thur.	31	41	36	34	21 40	9 4	the week it will be		
15	Fri.	32	41	37	33	21 31	9 39	settled warm days and		
16	Sat.	33	40	38	32	21 22	10 8	sultry nights.		
17	B.	4 33	7 39	4 39	7 32	21 11	10 35	*5th Sunday after Trinity.*		
18	Mon.	34	38	40	31	21 1	10 59	Changeable from clouds to		
19	Tues.	35	37	41	30	20 50	11 24	sunshine.		
20	Wed.	36	36	42	29	20 39	11 50	Unsteady weather.		
21	Thur.	37	35	43	29	20 27	Morn.	A change with steady heat		
22	Fri.	38	34	44	28	20 15	0 18	for some days.		
23	Sat.	39	33	45	27	20 3	0 48	Heat—heat—heat.		
24	B.	4 40	7 32	4 46	7 26	19 51	1 23	*6th Sunday after Trinity.*		
25	Mon.	41	31	47	25	19 38	14	*St. James day.*		
26	Tues.	42	30	47	24	19 25	5 53	There will be wind and rain		
27	Wed.	43	30	49	23	19 11	3 48	this week — then clouds		
28	Thur.	43	28	49	22	18 58	Sets.	and thunder.		
29	Fri.	44	27	50	21	18 45	8 27	So prepare for a week of		
30	Sat.	46	26	51	21	18 29	9 4	changeableness.		
31	B.	4 47	7 25	4 52	7 20	18 14	9 35	*7th Sunday after Trinity.*		

JULY.—The flower garden should not be forgotten, even though it is a busy season. There are odd hours when the owner can pull out the weeds, or if that cannot be done, set the hired man or boy at the work. If such help is not available, let the young ladies of the household engage in the work. What more honorable employment than this? Did not our kind Father place Eve and Adam in the garden to keep it? We can hardly over estimate the value of flowers and flower gardens, especially where there are children. It seldom happens that those who cultivate flowers turn out to be bad men or women. Flowers have a softening, humanizing influence on our natures. Flowers have been given us to enjoy, and we should make the best use of God's good gifts.

PAYSON, DUNTIN and SCRIBERS System of Penmanship,

1
2
3
4
5
6
7
8
9
10
11
12
13 jument 11th Sanné pour mois 57-
14
15
16
17
18
19
20
21
22 vache Hautaise, St. Marseille
23
24
25
26
27
28
29
30
31

Published by ROBERT MILLER.

Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h. m.	h. m.	h. m.
First Quarter.....	4	4 3 mo.	3 57 mo.	3 45 mo.	3 33 mo.	3 25 mo.
Full Moon.....	11	4 25 mo.	4 19 mo.	4 7 mo.	3 55 ev.	3 47 ev.
Third Quarter.....	19	3 2 mo.	2 56 mo.	2 44 mo.	2 31 mo.	2 23 mo.
New Moon.....	26	4 37 ev.	4 31 ev.	4 19 ev.	4 5 ev.	3 57 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.		
								D.	h.	m. s.
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	1	12	6 4
								9	12	5 15
								17	12	3 50
								25	12	1 53
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.			
								Calendar, Aspects, &c.		
1	Mon.	4 48	7 24	4 54	7 18	17 59	10 8	Very fine through the first		
2	Tues.	50	22	55	17	17 44	10 35	few days of August, but		
3	Wed.	51	21	56	16	17 28	11 8	very changeable and not		
4	Thur.	52	20	57	15	17 13	11 42	very hot just now.		
5	Fri.	53	19	58	14	16 56	Morn.	This day fair and fine.		
6	Sat.	55	17	59	13	16 40	0 20	This also very agreeable.		
7	B.	4 56	7 16	5 0	7 12	16 23	1 5	*8th Sunday after Trinity.*		
8	Mon.	57	14	1	10	16 6	1 57	More settled and pleasant.		
9	Tues.	58	12	2	8	15 49	2 57	No ground of complaint.		
10	Wed.	59	11	3	7	15 32	Rises.	Fine for final harvesting.		
11	Thur.	5 1	9	5	6	15 14	7 36	Full moon 4-25 mo, and then		
12	Fri.	2	8	6	4	14 56	8 9	comes cool times with		
13	Sat.	3	7	7	3	14 38	8 35	some showers.		
14	B.	5 4	7 5	5 8	7 1	14 19	9 1	*9th Sunday after Trinity.*		
15	Mon.	5	3	9	6 59	14 1	9 26	The aspects are changeable.		
16	Tues.	6	2	10	58	13 42	9 50	We look for showers		
17	Wed.	7	1	11	57	13 23	10 17	And down it pours.		
18	Thur.	8	6 59	12	56	13 3	10 46	To-day or to-morrow,		
19	Fri.	9	57	13	54	12 44	11 19	The clouds shed sorrow.		
20	Sat.	11	55	14	55	12 24	11 57	Very pleasant day.		
21	B.	5 12	6 54	5 16	6 50	12 4	Morn.	*10th Sunday after Trinity.*		
22	Mon.	13	52	17	49	11 44	0 42	Cool and healthy.		
23	Tues.	14	50	18	47	11 24	1 33	Fair and fine.		
24	Wed.	16	48	19	46	11 3	2 33	*St. Bartholomew.*		
25	Thur.	18	46	20	44	10 42	3 38	Unsettled, and yet the		
26	Fri.	19	45	21	43	10 22	Sets.	prospects are strong for		
27	Sat.	20	43	22	40	10 1	7 35	rain.		
28	B.	5 21	6 41	5 24	6 38	9 39	8 7	*11th Sunday after Trinity.*		
29	Mon.	22	40	25	37	9 18	8 38	There is every reason to an-		
30	Tues.	23	38	26	36	8 57	9 9	ticipate rather dull and		
31	Wed.	24	36	27	34	8 35	9 43	cool weather now.		

AUGUST.—It is generally better to let trees in the orchard alone after the spring or early summer pruning, but it often happens that dwarf apple, pear and other trees in small gardens, need looking after just about as much as grape vines. When the space is limited, and the trees are planted near together, the new shoots must be pinched in after they have made a few inches of growth. If a tree is very thrifty, and it occupies all the space that can be allowed to it, and it is desirable to bring it into fruit bearing, then it should be subject to the same process of having the ends of the new shorts, cut or pinched off. This will especially apply to dwarf apple and pear trees. There are other methods of inducing fruitfulness, such as bending down the branches and pruning the roots.

Use CUSSON'S Lumber Reckoner,

1
2
3
4
5
6 Oscar 107
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31

Published by ROBERT MILLER.

Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h, m.	h. m.	h. m.
First Quarter.....	2	9 10 mo.	9 4 mo.	8 52 mo.	8 40 mo.	8 32 mo.
Full Moon.....	9	5 23 ev.	5 17 ev.	5 5 ev.	4 53 ev.	4 45 ev.
Third Quarter.....	17	8 42 ev.	8 32 ev.	8 24 ev.	8 12 ev.	8 4 ev.
New Moon.....	25	1 46 mo.	1 40 mo.	1 28 mo.	1 16 mo.	1 8 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.		
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	North.	R. & S.	D.	h. m. s.	
		h. m.	h. m.	h. m.	h. m.	Deg. Min	h. m.	1	11 59 50	
								9	11 57 11	
								17	11 54 23	
								25	11 51 36	
1	Thur.	5 26	6 34	5 27	6 33	8 13	10 20	Calendar, Aspects, &c.		
2	Fri.	28	32	28	32	7 51	11 3	We look for cool rains at the beginning of this mth accompanied with wind.		
3	Sat.	29	30	30	29	7 29	11 54			
4	B.	5 30	6 28	5 31	6 28	7 7	Morn.	*12th Sunday after Trinity.*		
5	Mon.	31	26	32	26	6 45	0 49	Unsettled weather but on the whole cool, calm and pleasant for several days. Nights very cool.		
6	Tues.	32	24	34	25	6 23	1 52			
7	Wed.	33	23	35	23	6 0	2 54			
8	Thur.	35	21	36	21	5 38	3 59			
9	Fri.	36	19	37	20	5 15	Rises.	Fair, fine and cool, but not unseasonable.		
10	Sat.	37	17	38	18	4 52	7 3			
11	B.	5 38	6 16	5 39	6 16	4 29	7 27	*13th Sunday after Trinity.*		
12	Mon.	40	14	40	15	4 6	7 52	This week promises to be pleasant, with changes.		
13	Tues.	42	12	41	13	3 43	8 18			
14	Wed.	43	10	42	11	3 20	8 46	Some light winds and then a good fall of rain.		
15	Thur.	44	7	43	9	2 57	9 18			
16	Fri.	45	6	45	8	2 34	9 53	Leaves are changing colour		
17	Sat.	46	4	46	7	2 11	10 33	There are frosts occasional.		
18	B.	5 48	6 2	5 47	6 5	1 48	11 21	*14th Sunday after Trinity.*		
19	Mon.	49	1	48	3	1 24	Morn.	Now for cold rains.		
20	Tues.	50	5 58	49	1	1 1	0 15	Raining weather continues		
21	Wed.	51	56	50	5 57	0 38	1 16	*St. Mathew's day.*		
22	Thur.	52	57	52	56	0 14	2 24	Dull and cloudy.		
23	Fri.	54	55	55	54	S. 8	3 34	Wet and windy.		
24	Sat.	56	53	53	52	0 31	4 47	Agreeable day.		
25	B.	5 56	5 52	5 54	5 50	0 55	Sets.	*15th Sunday after Trinity.*		
26	Mon.	57	50	55	49	1 18	7 6	We look for fair days cool nights, some frost but not severe yet.		
27	Tues.	59	47	57	47	1 42	7 39			
28	Wed.	6 00	44	59	45	2 5	8 18			
29	Thur.	1	42	6 00	43	2 28	8 59	*St. Michael and all Angels.*		
30	Fri.	2	40	1	40	2 52	9 48	Month ends fine.		

SEPTEMBER.—Plant fruit trees? Of course, what better can you do? You have planty of land, and some of it is well adapted to the cultivation of fruit, and how can it be more profitably employed? It may take a long time to bring an orchard into bearing, but it will last a long time. It is easier to secure a good orchard than a large fortune, and it can generally be done in less time, and yet there are those who are not willing to do the former, because it takes so long, but will work a whole lifetime to compass the latter. It takes only a few years comparatively to bring even standard pear trees into bearing, but even if it did, some body must do the work, or the next generation would be without fruit. Now is the time to act. Money invested in an orchard will pay better than Dominion Stock.

PINNOCK'S GOLDSMITH'S History of England.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17 Twinpeters Chats
18
19
20
21
22
23
24
25
26
27
28
29
30

All kinds of School Requisites at ROBERT MILLER'S.

Moon's Phases.	D.	*Quebec.* h. m.	*Montreal.* h. m.	*Kingston.* h. m.	*Toronto.* h. m.	*London.* h. m.
First Quarter.....	1	4 31 ev.	4 25 ev.	4 13 ev.	4 1 ev.	3 53 ev.
Full Moon.....	9	9 55 mo.	9 49 mo.	9 37 mo.	9 25 mo.	9 17 mo.
Third Quarter ...	17	1 25 ev.	1 19 ev.	1 7 ev.	0 55 ev.	0 47 ev.
New Moon.....	24	10 48 mo.	10 42 mo.	10 30 mo.	10 18 mo.	10 10 mo.
First Quarter.....	31	3 13 mo.	3 7 mo.	2 55 mo.	2 43 mo.	2 35 mo.

Days. M.	Week.	Montreal. Sun Rises.	Montreal. Sun Sets.	Toronto. Sun Rises.	Toronto. Sun Sets.	Sun's Declinat. South.	The Moon. R. & S.	Sun on Meridian. D.	h. m. s.	Calendar, Aspects, &c.
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.			
1	Sat.	6 3	5 38	6 2	5 38	3 15	10 43	1	11 49 37	This day pleasantly cool.
2	B.	6 4	5 36	6 3	5 36	3 38	11 43			
3	Mon.	5	34	4	34	4 2	Morn.	9	11 47 16	16*th Sunday after Trinity.*
4	Tues.	7	32	5	33	4 25	0 47			We predict this week will
5	Wed.	8	30	6	32	4 48	1 51			be fair and pleasant but
6	Thur.	9	27	7	29	5 11	2 54			frosty nights are quite
7	Fri.	11	25	8	27	5 34	3 56			frequent & then changea-
8	Sat.	12	24	9	26	5 57	4 58			bleness from the bright
										to the dull.
9	B.	6 13	5 21	6 10	5 24	6 20	Rises.	17	11 45 23	17*th Sunday after Trinity.*
10	Mon.	14	20	11	22	6 43	6 20			Another season of very
11	Tues.	15	19	12	20	7 6	6 47			changeable weather,
12	Wed.	16	17	14	19	7 28	7 16			chiefly dull. But for the
13	Thur.	18	14	15	17	7 51	7 49			next three days it turns
14	Fri.	20	12	16	15	8 13	8 29			out fine and pleasant but
15	Sat.	21	9	17	13	8 35	9 13			again frosty and cool.
16	B.	6 23	5 7	6 19	5 12	8 58	10 5	25	11 43 10	18*th Sunday after Trinity.*
17	Mon.	24	5	20	9	9 20	11 0			Now expect rain.
18	Tues.	25	4	21	8	9 41	Morn.			*St. Luke the Evangelist.*
19	Wed.	26	2	22	6	10 3	0 3			Be sure about now to pre-
20	Thur.	28	1	24	5	10 25	1 10			pare for rain and wind.
21	Fri.	29	4 59	25	3	10 46	2 21			No change from that,
22	Sat.	31	57	27	2	11 8	3 33			quite seasonable.
23	B.	6 32	4 55	6 28	4 59	11 29	4 47	31	11 39 4	19*th Sunday after Trinity.*
24	Mon.	33	53	29	58	11 50	Sets.			There will be showers this
25	Tues.	35	52	30	57	12 10	6 10			week, but on the whole
26	Wed.	36	50	31	56	12 31	6 50			the days will pass with
27	Thur.	38	49	32	54	12 51	7 37			pleasant changes.
28	Fri.	39	47	33	53	13 12	8 33			*Sts. Simon and Jude.*
29	Sat.	41	46	35	52	13 32	9 34			An unpleasant day.
30	B.	6 42	4 46	6 33	4 50	13 51	10 37			20*th Sunday after Trinity.*
31	Mon.	43	45	40	48	14 11	11 42			October ends drearily.

OCTOBER.—It is not very likely that the dread of *trichina spiralis* will prevent many people from continuing to raise hogs, and therefore a few words may not be out of place in reference to this animal. One of the most important requirements in raising swine is to produce a thrifty, docile breed, and such as will fat readily, requiring but little food, and at the same time large in natural size, and early in maturity. The food of a sow when rearing a litter of pigs, should be varied,—dry corn and cold water are not sufficient. Nothing is better than slops from the house, with some milk and corn meal. It is advisable, if the sow does not have the run of a field, to give charcoal and a little salt and sulphur every few days.

Orders for every description of Printing received

1
2
3
4
5
6
7
8
9
10 David emittiere pour la conformi
11
12
13
14
15
16
17
18 ~~tremblement de terre~~ Gros vent
19
20 tremblement de terre
21
22
23
24
25
26
27
28
29
30
31

By ROBERT MILLER Stationer, Montreal.

11th Month. **NOVEMBER, 30 Days.** Begins on Tuesday.

Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h. m.	h. m.	h. m.
Full Moon.....	8	2 44 mo.	2 38 mo.	2 26 mo.	2 14 mo.	2 6 ev.
Third Quarter.....	16	4 11 mo.	4 5 mo.	3 53 mo.	3 41 mo.	3 33 mo.
New Moon.....	22	8 33 ev.	8 27 ev.	8 15 ev.	8 3 ev.	4 55 ev.
First Quarter.....	29	5 45 ev.	5 39 ev.	5 27 ev.	5 15 ev.	5 7 ev.

DAYS.		Montreal.		Toronto.		Sun's Declinat.	The Moon.	Sun on Meridian.		
M.	Week.	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.	R. & S.	D.	h. m. s.	
		h. m.	h. m.	h. m.	h. m.	Deg. Min.	h. m.	1	11 44 43	
								9	11 43 59	
								17	11 45 10	
								25	11 47 14	
1	Tues.	6 44	4 44	6 41	4 47	14 30	Morn.	Calendar, Aspects, &c.		
2	Wed.	46	42	43	45	14 49	0 48	ALL SAINTS DAY.		
3	Thur.	48	40	44	44	15 8	1 51	The saints don't prevent the		
4	Fri.	49	39	45	43	15 27	2 50	weather from being cold;		
5	Sat.	50	37	47	41	15 45	3 50	for Nov. has entered with		
								only an occasional smile.		
6	B.	6 52	4 36	6 48	4 40	16 5	4 50	*21st Sunday after Trinity.*		
7	Mon.	54	34	49	39	16 21	5 48	It is cold enough for snow		
8	Tues.	55	32	50	38	16 39	Rises.	and we look for some be-		
9	Wed.	56	31	51	36	16 56	5 49	fore many days. There		
10	Thur.	57	29	53	35	17 13	6 27	have been stermy winds;		
11	Fri.	58	28	54	34	17 30	7 9	but the elements concur to		
12	Sat.	7 00	27	55	33	17 46	7 57	remain quiet a while.		
13	B.	7 1	4 26	6 56	4 32	18 2	8 51	*22nd Sunday after Trinity.*		
14	Mon.	3	25	58	31	18 18	9 50	This week does not promise		
15	Tues.	5	24	7 00	30	18 33	10 54	to continue fair. We look		
16	Wed.	6	23	1	29	18 48	12 0	for some rain, and unless		
17	Thur.	7	22	2	28	19 3	Morn.	the wind be S. W. it will		
18	Fri.	8	21	3	27	19 17	1 10	turn to snow.		
19	Sat.	11	20	5	27	19 31	2 21	Changeable.		
20	B.	7 12	4 19	7 6	4 26	19 45	3 35	*23rd Sunday after Trinity.*		
21	Mon.	13	18	7	26	19 59	4 51	Much depends on the wind		
22	Tues.	14	18	8	25	20 12	6 10	this week, as to whether		
23	Wed.	16	17	10	24	20 23	Sets.	there will be rain or snow.		
24	Thur.	17	16	11	24	20 36	6 16	But we expect snow, and		
25	Fri.	18	15	12	23	20 48	7 16	then cold weather, but not		
26	Sat.	19	15	13	22	21 0	8 21	very severe.		
27	B.	7 21	4 15	7 15	4 21	21 11	9 29	*Advent Sunday.*		
28	Mon.	22	14	16	21	21 22	10 37	This month will end fair,		
29	Tues.	23	13	17	20	22 32	11 40	fine and cold.		
30	Wed.	25	13	18	19	21 42	Morn.	ST. ANDREW'S DAY.		

NOVEMBER.—To a very great extent the services of oxen, have been dispensed with in all but the more recently settled parts of Canada. Horses are in abundance, but only few mules. Now, mules for farming purposes are in most respects preferable to horses. Their power of endurence is far greater, and they will perform double the amount of labour in a given time, and live on less than one half the quantity of food required for a horse. They live on an average, nearly three times as long as the horse, and are serviceable from three years old to thirty, while ten years service from a horse is rarely obtained. Mules are less subject to disease, and their organs of eyesight and hearing are very acute, rendering them less liable to fright.

Country Booksellers can get every descriptio

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30

Plain and Ornamental Binding done at ROBT. MILLER'S.

Moon's Phases.	D.	*Quebec.*	*Montreal.*	*Kingston.*	*Toronto.*	*London.*
		h. m.	h. m.	h. m.	h. m.	h. m.
Full Moon	7	9 51 ev.	9 45 ev.	9 33 ev.	9 21 ev.	9 13 ev.
Third Quarter	15	4 23 ev.	4 17 ev.	4 5 ev.	3 53 ev.	3 45 ev.
New Moon	22	7 31 mo.	7 25 mo.	7 13 mo.	7 1 mo.	6 53 mo.
First Quarter	29	11 50 mo.	11 44 mo.	11 32 mo.	11 20 mo.	11 12 mo.

Days.		Montreal.		Toronto.		Sun's Declinat.		The Moon.	Sun on Meridian.		
M.	Week	Sun Rises.	Sun Sets.	Sun Rises.	Sun Sets.	South.		R. & S.	D.	h. m.	s.
									1	11 49	19
									9	11 52	39
									17	11 56	26
									25	12 0	34
		h. m.	h. m.	h. m.	h. m.	Deg.	Min.	h. m.	Calendar, Aspects, &c.		
1	Thur.	7 26	4 12	7 19	4 19	21	51	0 43	The beginning of December will prove cold with some rain and sleet.		
2	Fri.	26	12	21	19	22	0	1 43			
3	Sat.	28	12	21	19	22	9	2 43			
..											
4	B.	7 29	4 11	7 22	4 18	22	17	3 40	*2nd Sunday in Advent.*		
5	Mon.	30	11	24	18	22	25	4 39	Changeable and windy.		
6	Tues.	31	11	25	17	22	32	5 38	Cool, calm, pleasant.		
7	Wed.	32	11	26	17	22	39	Rises.	About now we have a change		
8	Thur.	33	11	27	17	22	45	5 8	toward cold and snowy		
9	Fri.	35	11	28	18	22	51	5 53	days and nights.		
10	Sat.	35	11	28	18	22	57	6 45	No settled weather.		
..											
11	B.	7 36	4 11	7 29	4 18	23	2	7 44	*3rd Sunday in Advent.*		
12	Mon.	37	11	30	18	23	6	8 46	Cold, crisp frost.		
13	Tues.	38	11	31	18	23	11	9 50	No great change.		
14	Wed.	39	11	32	18	23	14	10 56	Some days of steady freezing		
15	Thur.	40	12	32	18	23	17	Morn.	may be looked for, with-		
16	Fri.	41	12	33	19	23	20	0 3	out downfall, and not		
17	Sat.	42	12	34	19	23	23	1 14	much wind.		
..											
18	B.	7 42	4 12	7 34	4 20	23	24	2 27	*4th Sunday in Advent.*		
19	Mon	43	13	34	20	23	26	3 41	Cold and seasonable wea-		
20	Tues	43	13	36	20	23	27	4 58	ther continues.		
21	Wed.	44	14	36	20	23	27	6 14	*St. Thomas' day.*		
22	Thur.	45	15	37	21	23	27	Sets.	REMEMBER THE POOR.		
23	Fri.	45	16	37	21	23	26	5 57	We shall have stormy wea-		
24	Sat.	45	16	38	22	23	25	7 6	ther about these days.		
..											
25	B.	7 45	4 16	7 38	4 23	23	23	8 16	CHRISTMAS DAY.		
26	Mon.	46	17	38	24	23	22	9 24	*St. Stephen.*		
27	Tues.	46	18	38	24	23	20	10 30	*St. John the Evangelist.*		
28	Wed.	46	18	38	25	23	17	11 32	*Holy Innocents.*		
29	Thur.	47	18	39	26	23	13	Morn.	We anticipate cold winds		
30	Fri.	47	19	39	26	23	10	0 33	and continuod blustering.		
31	Sat.	47	20	39	27	23	5	1 31	The year goes out sighing.		

DECEMBER.—We think we know from experience how to keep fruit and especially apples. In a few words we say, pack the apples in clean sweet barrels, keep them after they have been picked, in a cool shady place, until there is danger of freezing; then place them in a cellar where they can be kept as cool as possible without freezing, as dry as possible without shrivelling them, and as nearly air-tight as possible. Under such circumstances apples will keep sound a long time, but there comes a time when some varieties will require examination, and the unsound ones separated from the sound. Handle the sound ones then with care, keeping them as much as possible from the air, and don't bruise them in repacking.

ROBERT MILLER, Manufacturer of Bankers, Merchants,

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31

The Royal Family.

THE QUEEN.

VICTORIA, of the United Kingdom of Great Britain and Ireland, &c., Queen, Defender of the Faith. Her Majesty was born at Kensington Palace, May 24, 1819; succeeded to the throne June 20, 1837, on the death of her uncle, King William IV.; was crowned June 28, 1838; and married, February 10, 1840, to his late Royal Highness, Prince Albert. Her Majesty is the only child of his late Royal Highness Edward Duke of Kent, son of King George III. The Children of Her Majesty are:—

Her Royal Highness VICTORIA-Adelaide-Mary-Louisa, PRINCESS ROYAL, OF ENGLAND AND PRUSSIA, born November 21, 1840; and married to his Royal Highness Frederick William of Prussia, January 25, 1858, and has issue three sons and a daughter.

His Royal Highness ALBERT-EDWARD, PRINCE OF WALES, born Nov. 9, 1841; married, March 10, 1863, Alexandra of Denmark (Princess of Wales), born December 1, 1844, and has issue two sons and two daughters, Prince Albert Victor, born January 8, 1864; Prince George Frederick Ernest Albert, born June 3, 1865, Princess Louise Victoria Alexandria Dagmar, born February 20, 1867, and Victoria Alexandria Olga Mary, born July 6, 1868.

Her Royal Highness Alice-Maud-Mary, born April 25, 1843; married, to H. R. H. Prince Frederick Louis of Hesse, July 1, 1862, and has issue three daughters.

His Royal Highness Alfred-Ernest-Albert, Duke of Edinburgh, born August 6, 1844.

Her Royal Highness Helena-Augusta-Victoria, born May 25, 1846, married July 5, 1866, Prince Frederick Christian of Schleswig-Holstein, and has issue a son.

Her Royal Highness Louisa-Caroline-Alberta, born March 18, 1848.

His Royal Highness Arthur-William-Patrick-Albert, born May 1, 1850.

His Royal Highness Leopold-George-Duncan-Albert, born April 7, 1853.

Her Royal Highness Beatrice-Mary-Victoria-Feodore, born April 14, 1857.

Augusta-Wilhelmina-Louisa, DUCHESS OF CAMBRIDGE, niece of the Landgrave of Hesse and aunt to Her Majesty, born July 25, 1797; married, in 1819, the late Duke of Cambridge.

George-Frederick-William-Charles, K. G., DUKE OF CAMBRIDGE, cousin to Her Majesty, born March 26, 1819.

George-Frederick-Alexander-Charles-Ernest-Augustus, K. G., DUKE OF CUMBERLAND, EX-KING OF HANOVER, cousin to Her Majesty, born May 27, 1819, married Princess Frederica of Mecklenburg-Strelitz, and has issue a son and two daughters.

Augusta-Caroline-Charlotte-Elizabeth-Mary-Sophia-Louisa, daughter of the late Duke of Cambridge, cousin to Her Majesty, born July 19, 1822, married June 28, 1843, to Frederick Grand Duke of Mecklenburg-Strelitz, and has a son.

Mary-Adelaide-Whilhelmina-Elizabeth, daughter of the late Duke of Cambridge, cousin to Her Majesty, born November 27, 1833, married June 12, 1866, Francis Paul, Prince of Teck, has issue a daughter and a son.

Leopold II, KING OF THE BELGIANS, maternal cousin of the Queen, born April 9, 1835.

ROBERT MILLER, Importer of Window Shades and

DOMINION OF CANADA.

GOVERNOR GENERAL.

His Excellency Sir John Young, Bart, K.C.B., C.G.M.G.

Lieutenant Governors.

Ontario.....Honorable W. P. Howland, C.B.
Quebec.....Honorable Sir N. F. Belleau.
Nova Scotia.....Major General Charles Hastings Doyle.
New Brunswick.....Honorable L. A. Wilmot.

Governor General's Aides-de-Camp.—Francis Turville, Governor's secretary ; Lieut. Col. J. C. McNeil, V. C., military secretary and A.-de-C.; Lieut Col. Irvine, A.-de-C.; Lieut. Col. Duchesnay, Lieut. Col. Barnard, Lieut. Col. F. Cumberland, extra A.-de-C's.

Military.—Lieut. General Sir Charles Windham, K.C.B., commanding the Forces in Canada.

CONFEDERATE PARLIAMENT.

PRIVY COUNCIL.

Minister of Justice and Att'y-General	Hon.	Sir John A. Macdonald, K.C.B
Minister of Militia	"	Sir G. E. Cartier.
Minister of Customs	"	S. L. Tilley, C. B.
Minister of Finance	"	John Ross.
Minister of Public Works	"	W. McDougall, C. B.
Minister of Inland Revenue		
Minister of Agriculture	"	J. C. Chapais.
Secretary of State for the Provinces.		
President of the Privy Council	"	Joseph Howe.
Minister of Marine and Fisheries	"	Peter Mitchell.
Postmaster General	"	A. Campbell.
Secretary of State for Canada	"	H. L. Langevin.
Receiver General	"	Edward Kenny.
Minister of Agriculture	"	J. C. Chapais.

OFFICERS.

Clerk of the Privy Council..... W. H. Lee.
Asst. " " ..... W. A. Himsworth.

SENATE.

Consists of 24 Senators from Ontario.
" 24 " " Quebec.
" 12 " " Nova Scotia.
" 12 " " New Brunswick.

English and American Paper Hangings.

HOUSE OF COMMONS.

HON. JAMES COCKBURN, Speaker.

Constituencies.	*Members.*
Addington	James N. Lapum.
Albert	John Wallace.
Algoma District	Wemyss M. Simpson.
Annapolis	William H. Ray,
Antigonish	Hugh McDonald.
Argenteuil	Hon. J. J. C. Abbott.
Bagot	Pierre S. Gendron.
Beauce	Christian H. Pozer.
Beauharnois	Michael Cayley.
Bellechasse	Napoléon Casault.
Berthier	Anselme H. Paquet.
Bonaventure	Théodore Robitaille.
Bothwell	David Mills.
Brant, N. R.	John Y. Bown.
Brant, S. R.	Hon. E. B. Wood.
Brockville Tn.	James Crawford.
Brome	Hon. C. Dunkin.
Bruce, N. R.	Alexander Sproat.
Bruce, S. R.	Francis Hurdon.
Cape Breton	Hon. J. McKeagney.
Cardwell	Thos R. Ferguson.
Carleton, N. B.	Hon. Chas. Connell.
Carleton, O.	John Holmes.
Chambly	Basile Benoit.
Champlain	John J. Ross.
Charlevoix	Simon X. Cimon.
Charlotte	John Bolton.
Chauteaugnay	Hon. L. H. Holton.
Chicoutimi and Saguenay	Pierre A. Tremblay.
Colchester	Arch W. McLellan.
Compton	John H. Pope.
Cornwall, Tn.	Hon. J. S. McDonald.
Cumberland	Hon. C. Tupper, C. B.
Digby	Alfred W. Savery.
Dorchester	Hon. H. L. Langevin, C.B.
Drummond and Arthabaska	Louis A. Senécal.
Dundas	John S. Ross.
Durham, E. R.	Francis H. Burton.
Durham, W. R.	Edward Blake.
Elgin, E. R.	Thomas W. Dobbie.
Elgin, W. R.	John H. Munroe.
Essex	John O'Connor.
Frontenac	Thomas Kirkpatrick.
Gaspé	Pierre Fortin.
Glengarry	Donald A. McDonald.
Gloucester	Hon. T. W. Anglin.
Grenville, S. R.	Walter Shanly.
Grey, N. R.	George Snider.
Grey, S. R.	George Jackson.
Guysborough	Hon. S. Campbell.
Haldimand	David Thompson.
Halifax	Alfred Jones. Patrick Power.
Halton	John White
Hamilton, City	Charles Magill.
Hants	Hon. Joseph Howe.
Hastings, E. R.	Hon. Robert Reed.
Hastings, N. R.	Mackenzie Bowell.
Hastings, W. R.	James Brown.
Hochelaga	Hon. A. A. Dorion.
Huntington	Hon. John Rose.
Huron, N. R.	Joseph Whitehead.
Huron, S. R.	Malcolm C. Cameron.
Iberville	Francois Béchard.
Inverness	Hugh Cameron.
Jacques Cartier	G. G. Gaucher.
Joliette	François B. Godin.
Kamouraska	C. A. P. Pelletier.
Kent, N. B.	Auguste Renaud.
Kent, O.	Rufus Stephenson.
King's, N. B.	George Ryan.
King's, N. S.	William H. Chipman.
Kingston	Sir J. A. McDonald.
Lambton	Alexander Mackenzie.
Lanark, N. R.	Hon. W. McDougall.
Lanark, S. R.	Alexander Morris.
Laprairie	Alfred Pinsonneault.
L'Assomption	Hon. L. Archambeault.
Laval	Joseph H. Bellerose.
Leeds & Grenville, N. R.	Francis Jones.
Leeds, S. R.	
Lennox	John Crawford.
Lévis	Richard J. Cartwright.
Lincoln	Joseph G. Blanchet.
L'Islet	J. R. Merritt.
London City	Barthelemy Pouliot.
Lotbiniere	Hon. John Carling.
Lunenburg	Henry G. Joly.
Maskinongé	E. M. McDonald.
Megantic	George Caron.
Middlesex, E. R.	Hon. George Irvine.
Middlesex, N. R.	Crowell Wilson.
Middlesex, W. R.	Thomas Scatcherd.
Missisquoi	Angus P. McDonald.
Monck	Brown Chamberlin.
Montcalm	Lachlin McCallum.
Montmagny	Joseph Dufresne.
Montmorency	Hon. J. G. Beaubien.
Montreal, Centre	Jean Langlois.
Montreal, East.	Thomas Workman.
Montreal, West.	Hon. G. E. Cartier.
Napierville	M. P. Ryan.
Niagara, Town.	Sixte C. dit LaReine.
Nicolet	Angus Morrisson.
Norfolk, N. R.	Joseph Gaudet.
Norfolk S. R.	Aquila Walsh.
Northumberland, N. B.	Peter Lawson. Hon. Richard Hutchison
Northumberland O., E. R.	Joseph Keeler.
Northumberland O., W. R.	Hon. Jas. Cockburn.
Ontario, N. R.	John Hall Thompson.
Ontario, S. R.	Thomas N. Gibbs.
Ottawa, City.	Joseph M. Currier.
Ottawa, Co.	Alonzo Wright.
Oxford, N. R.	Thomas Oliver.
Oxford, S. R.	E. V. Bodwell.
Peel	Hon. J. H. Cameron.
Perth, N. R.	James Redford.
Perth S. R.	Robert McFarlane.
Peterboro', E. R.	Peregrine M. Grover.
Peterboro', W. R.	Charles Perry.
Pictou	J. W. Carmichael.
Pontiac	Edmund Heath.
Portneuf	Jean D. Brousseau.
Prescott	Albert Hagar.
Prince Edward	Walter Ross.
Quebec Centre	George H. Simard.

R. MILLER, Importer of Inks, Twines, Pens, Envelopes,

Constituencies.	*Members.*
Quebec, East	Pierre G. Huot.
Quebec, West	Thomas McGreevy.
Quebec, Co.	Hon P.J.O Chauveau
Queen's, N. B.	John Ferris.
Queen's, N. S.	James F. Forbes.
Renfrew, N. R.	John Rankin.
Renfrew, S. R.	Daniel McLachlin.
Restigouche	W. M. Caldwell.
Richelieu	Thomas McCarthy.
Richmond, N. S.	Isaac Levescomte,
Richmond and Wolfe	William H. Webb.
Rimouski	George Sylvain.
Rouville	G. Cheval.
Russell	James A. Grant.
St. Hyacinthe	Hon.A.E.Kierskowski
St.JohnCity,N.B.	Hon. S. L. Tilly.
St. John, N. B.	Hon. John H. Gray.
St. John's, Q.	Francois Bourassa.
St. Maurice	Elie Lacoste.
Shefford	Hon.L.S.Huntingdon
Shelburne	Thomas Coffin.
Sherbrooke, Tn.	Hon. Alex. T. Galt.
Simcoe, N. R.	ThomasD. McConkey.
Simcoe, S. R.	William C. Little.
Soulanges	L. H. Masson.
Stanstead	Charles C. Colby.
Stormont	Samuel Ault.
Sunbury	Charles Burpee.
Temiscouata	C. F. A. Bertrand
Terrebonne	L. F. R. Masson.
Three Rivers	W. McDougall.
Toronto, East	James Beaty.
Toronto, West	Robert A. Harrison.
Two Mountains	Jean B. Daoust.
Vaudreuil	Donald McMillan.
Verchères	Felix Geoffrion.
Victoria, N. B.	John Costigan.
Victoria, N. S.	Wm. Ross.
Victora, O.,N. R.	John Morison.
Victoria O., S.R.	George Kempt.
Waterloo, N. R.	Isaac E. Bowman.
Waterloo, S. R.	James Young.
Welland	Thomas C. Street.
Wellington, C. R.	James Ross.
Wellington, N.R.	George A. Drew.
Wellington, S. R.	David Stirton.
Wentworth, N.R.	James McMonies.
Wentworth, S.R.	Joseph Rymal.
Westmorland	Hon. A. J. Smith.
Yamaska	Moise Fortier.
Yarmouth	Hon. T. Frank Killam.
York, N.B.	John Pickardy
York, O., E.R.	James Metcalfe.
York, O., N.R.	James P. Wells.
York, O., W. R.	Amos Wright.

PROVINCE OF QUEBEC.

SEAT OF GOVERNMENT—QUEBEC.

Lieutenant-Governor.—Hon. Sir NARCISSE FORTUNAT BELLEAU, Knight ; Geo. Van Felson, private secretary ; Eugene A. Tachereau, ensign, Service Militia, aide-de-camp.

EXECUTIVE COUNCIL.

Hon. P. J. O. Chauveau, premier, provincial secretary and registrar, and minister of Public Instruction.
Hon. Gedoon Ouimet, attorney-general.
Hon. Christopher Dunkin, treasurer.
Hon. Joseph O. Beaubien, commissioner of Crown lands.
Hon. Louis Archambault, commissioner of Public works.
Hon. C. B. DeBoucherville, speaker Legislative Council.
Hon. George Irvine, solicitor-general.
F. Fortier, clerk of the Executive Council ;

Legislative Council Consists of 24 Councillors.

LEGISLATIVE ASSEMBLY.

Hon. JOSEPH GODERIC BLANCHET, speaker.

Constituencies.	*Members.*
Argenteuil	Sydney Bellingham.
Bagot	P. S. Gendron.
Beauce	C. H. Poser.
Beauharnois	CelestinBergevin.
Bellechasse	Quezine Pelletier.
Berthier	Louis Joseph Moll.
Bonaventure	Clarence Hamilton.
Brome	Hon. C. Dunkin.
Chambly	Jean Baptiste Jodoin.
Champlain	Hon. J. C. Chapais.
Charlevoix	Leon C. Clement.
Chateauguay	Edouard Leberge.
Chicoutimi & Saguenay	P. A. Tremblay.
Compton	James Ross.
Dorchester	Hon.G.L.Langevin CB
Drummond & Arthabaska	Edward J.Hemming.
Gaspe	Pierre Fortin.
Hochelaga	Louis J. B. Beaubien.
Huntingdon	Julius Scriver.
Iberville	Louis Moileur.
Jacques Cartier	N. M. Lacavalier.
Joliette	Vincent P. Lavallée.

Photographic Albums, Slates, Satchels and Fancy Boxes.

Constituencies.	*Members.*
Kamouraska	C. F. Roy.
Laprairie	Césaire Thérien.
L'Assomption	Et. Mathieu.
Laval	J. H. Bellerose.
Lévis	Hon. J. G. Blanchet
L'Islet	P. G. Verault.
Lotbiniére	H. G. Joly.
Maskinonge	A. L. Dessaulniers.
Megantic	Hon. G. Irvine.
Missisquoi	Sanford Brigham.
Montcalm	Firmin Dugas.
Montmagny	Louis H. Blais.
Montmorency	Hon. Jos. Cauchon.
Montreal, Centre	Edward Carter.
Montreal, East	SirG.E. Cartier, Bart
Montreal, West	Alex. W. Ogilvie.
Napierville	Pierre Benoit.
Nicolet	Joseph Gaudet.
Ottawa (County)	Levi R. Church.
Pontiac	John Poupore.
Portneuf	Paraxède Larue.
Quebec, Centre	G. H. Simard.
Quebec, East	J. P. Rheaume.
Quebec, West	John Hearn.
Quebec (County)	Hon. P. J. O. Chauveau
Richmond & Wolfe	Jacques Picard.
Richelieu	Joseph Bead eau.
Rimouski	Joseph Garon.
Rouville	V. Robert.
St. Hyacinthe	P. Bachand.
St. John's	F. G. Marchand.
St. Maurice	A. L. Desaulniers.
Shefford	Michel A. Bissette.
Sherbrooke, town	Jos. G. Robertson.
Soulanges	D. A. Coutlée.
Stanstead	Thomas Locke.
Témiscouta	Eli Milloux.
Terrebonne	J. A. Chapleau.
Three Rivers, city	C. B. DeNiverille.
Two Mountains	Hon. G. Ouimet.
Vaudreuil	A. C. DeLot Harwood
Verchéres	A. Boniface Craig.
Yamaska	Louis A. Sénecal.

PROVINCE OF ONTARIO.

SEAT OF GOVERNMENT.—TORONTO.

Lieutenant Governor.—Hon. William P. Howland, C. B., Toronto.

Executive Council.—Hon. J. S. Macdonald, attorney-general; hon. Matthew Crooks Cameron secretary and registrar; hon. John Carling, minister of agriculture; hon. Stephen Richards commissioner of Crown Lands; hon. E. B. Wood, treasurer; Robert G. Dalton, clerk.

HOUSE OF ASSEMBLY.

Hon. JOHN STEVENSON, Speaker.

CONSTITUENCIES.	MEMBERS.
Addington	E. J. Hooper.
Algoma	F. W. Cumberland.
Bothwell	A. McKellar.
Brandt, N.R.	H. Finlayson.
" S.R.	Hon. E. B. Wood.
Brockville	W. Fitzsimmons.
Bruce, N.R.	D. Sinclair.
" S.R.	Edward Blake
Cardwell	T. Swinarton.
Carleton	R. Lyon.
Cornwall	Hon. J. S. Macdonald.
Dundas	Simon Cook.
Durham, E.R.	A. T. H. Williams.
" W.R.	J. McLeod.
Elgin, E.R.	D. Luton.
" W.R.	Nicol McColl.
Essex	S. Wigle.
Frontenac	Sir H. Smith.
Glengary	J. Craig.
Grenville, S.R	M. Clarke.
Grey, N.R	T. Scott.
" S.R.	A. W. Lauder.
Haldimand	Dr. J. Baxter.
Halton	W. Barber.
Hamilton	J. M. Williams.
Hastings, W. R.	K. Graham.
" E.R.	H. Corby.
" N.R.	G. H. Boulter.
Huron, N. R.	W. T. Hays.
" S.R.	R. Gibbons.
Kent	J. Smith.
Kingston	M. W. Strange.
Lambton	T. B. Pardee.
Lanark, N.R.	D. Galbraith.
" S.R.	Abraham Code.
Leeds, N.R	H. D. Smith.
" S.R.	B. Tett.
Lennox	J. Stevenson.
Lincoln	J. C. Rykert.
London	Hon. J. Carling.
Middlesex, E.R.	J. Evans.
Middlesex, N. R	J. S. Smith.
" W.R.	N Currie.
Monck	G. Secord.
Niagara	Hon. S. Richards.
Northumb'rla'd, east	J. Eyre.
" West	A. Fraser.
Norfolk, S.R.	S. McCall.
" N.R	J. Wilson.
Ontario, N.R.	Thos. Paxton.
" S.R.	Dr. McGill.
Ottawa City	R. W. Scott.
Ox ord, N.R.	G. Perry.
" S. R.	A. Oliver.
Peel	J. Coyne.
Perth, N.R.	A. Monteith.
" S.R.	J. Trow.
Petorboro,' E.R.	G. Read.
" W.R.	G. Carnegie.
Prescott	J. Boyd.
Prince Edward	A. Greely.
Renfrew, S.R.	J. L. McDougall.

ROBERT MILLER, Manufacturing Stationer and Importer

CONSTITUENCIES.	MEMBERS.
Renfrew, N. R.	J Supple.
Russell	W. Craig.
Simcoe, N. R.	W. Lount.
" S. R.	T. R. Ferguson.
Stormont	W. Colquhoun.
Toronto, East	Hon. M. C. Cameron
" West	J. Wallis.
Victoria, N. R.	A. P. Cockburn.
" S. R.	J. Matchett.
Waterloo, N. R.	M. Springer.
Waterloo, S. R.	I. Clemens.
Welland	W. Beatty
Wellington, N. R.	R. McKim.
" C. R.	A. D. Ferrier.
" S. R.	P. Gow.
Wentworth, N. R.	R. Christie.
" S. R.	W. Sexton.
York, E. R.	H. P. Crosby.
" W. R.	T. Graham.
" N. R.	Hon. J. McMurrich

PROVINCE OF NEW BRUNSWICK.

Lieutenant-Governor.—Hon. L. A. WILMOT, D.C.L.—Fredericton.

EXECUTIVE COUNCIL.

Hon. John McAdam, president of the Council; Hon. W. M. Keller, commissioner Public Works; Hon. A. R. Wetmore, attorney general; Hon. W. P. Flewelling, surveyor general; Hon. J. A. Beckwith, provincial secretary, registrar and receiver general; Hon. B. Beveridge and Hon. Wm. Lindsay and Hon. Wm. Taylor, (without office); F. A. H. Stratton, clerk Executive Council.

LEGISLATIVE COUNCIL.

CONSISTS OF EIGHTEEN COUNCILLORS.

HOUSE OF ASSEMBLY.

COUNTY.	MEMBERS.
York	H. Dow.
"	J. A. Beckwith.
"	A. Thompson.
"	W. A. Newham.
Saint John	Hon. A. R. Wetmore.
"	J. W. Cudish.
"	J. Quinton.
"	W. H. Keans.
Westmorland	B. Botsford.
"	A. McQueen.
"	A. Landry.
"	Joseph Moore.
Charlotte	J. McAdam,
"	F. Hibbard.
"	B. R. Stevenson.
"	Henry Frye.
Kings	W. P. Flewelling.
"	J. Flewelling.
"	G. McLeod.
Queens	R. T. Babbit.
Queens	W. S. Butler.
Sunbury	John Covert.
"	W. E. Perley.
Carleton	W. Lindsay.
"	G. W. White.
Northumberland	Geo. Kerr.
"	R. Sutton.
"	W. Kelly.
"	J. C. Gough.
Kent	W. S. Caie
"	Ruben Johnson.
Gloucester	J. Meahan.
"	Wm. Taylor.
Restigouche	A. DesBrisy.
"	W. Montgomery.
Albert	C. A. Peck.
"	A. A. Blies.
Victoria	E. A. Hammond.
"	L. Terriault.

C. P. Wetmore, clerk.

NOVA SCOTIA.

Lieutenant-Governor.—Major-General K. C. M. G. Sir CHARLES HASTINGS DOYLE.

EXECUTIVE COUNCIL.

Hon. W. Annand, treasurer; Hon. M. J. Wilkins, attorney general.
Hon. W. B. Vail, provincial secretary; R. Robertson, commissioner of Mines and Works.
" R. A. McHeffy, }
" J. Ferguson, }
" E. P. Flynn, } Members without office.
" Jared C. Troop, }
" James Cochrane, }
Legislative Council consist of 21 Councillors.

of all kinks of Book, Printing and Writing Papers.

HOUSE OF ASSEMBLY.

J. J. MARSHALL, speaker.

CONSTITUENCIES.	NAMES.
Annapolis	J. C. Troop.
"	D. C. Landers.
Colchester	Robt. Chambers.
"	T. F. Morrisson.
Cumberland	Amos Purdy.
"	H. G. Pineo.
Cape Breton	J. Ferguson.
"	B. J. White.
Digby	W. B. Vail.
"	V. Doucette.
Guysborough	Jno. J. Marshall.
"	Jno. A. Kirk.
Halifax	H. Balcam.
"	J. Cochran.
"	Jer. Northup.
Hants	W. Lawrence.
"	E. Young.
Inverness	H. McDonald.
"	A. Campbell.
"	H. Balcam.
Kings	D. M. Dickie.
"	E. L. Brown.
Lunenburgh	Jas. Eisenhaur.
"	M. B. DesBrisay.
Pictou	R. S. Copeland.
"	M. I. Wilkins.
"	Dr. Murray.
Queens Co.	H. W. Smith.
"	D. Freeman.
Richmond	E. P. Flynn.
"	J. Hooper.
Shelburne	R. Robertson.
"	Thos. Johnson.
Antigonish	D. McDonald.
"	J. McDonald.
Victoria	John Ross.
"	W. Kidston.
Yarmouth	J. K. Ryerson.
"	W. H. Townsend.

H. O. D. Twining, Clerk.

A FEW STATISTICAL FACTS AND FIGURES.

A legal stone is fourteen pounds in England, sixteen pounds in Holland. A fathom, six feet, is derived from the height of a full grown man. A hand, in horse measure, is four inches. An Irish mile, is 2,240 yards; a Scotch mile is 1,984; a German, 1,806; A Turkish, 1,626. An acre is 1,840 square yards, 1 foot, and 3½ inches, each way. A square mile, 1,760 yards each way, contains 640 acres. The human body consists of 240 bones, 9 kinds of articulations or joinings, 100 cartilages, or legamentes 400 muscles or tendons, and 100 nerves, besides blood, arteries, veins, etc. Potatoes below three feet do not vegetate; at one foot they grow quickest, and at two feet they are retarded two or three months. There are no solid rocks in the Arctic regions, owing to the severe frosts. The surface of the sea is estimated at 150,000,000 square miles. Taking the whole surface of the globe at 190,000,000 square miles. Its greatest depth is supposed to be equal to the height of the highest mountain, or four miles.

BODILY EXERCISE.—What a blessing it would be if many of the young women of the better classes were obliged to follow some occupation which might develope their muscles, expand their lungs and double their energy and vital force. Our modern system is a great failure in some points; in none more so than in considering that healthy manual labour can be neglected for generations without injury. It is not so, and it will never be so; the race that will not work, not with the head only, but with the body, must decline, and will give way to races of more vigorous physique. These are no imaginary fears; they are certain consequencees; disue leads to decay, and so wonderfully does every part of the body cohere, that disease of one part affects all. Let no one think that the mind remains untouched when the rest of the man dwindles. A few generations sees the mind also enfeebled, and, by a species of natural selection, the worn-out race disappears, and Nature revenges herself by the substitution of a healthier stock.—*Lancet.*

H. MILLER, Importer of Psalm Books, Bibles, Prayer

RATES OF POSTAGE—*From 1st day of April*, 1868.

Description of Matter.	Between any place in Canada.	To Great Britain by Canadian Mail Line.	To Great Britain by Cunard and other Steamers from New York.	To France by Canadian Mail Line.	To the United States.
Letters	3 cts. per ½ oz., prepaid 5 " " unpaid.	12½ cts. per ½ oz., prepaid	15 cts. per ½ oz., prepaid	17 cts. per ½ oz.—Prepaymt reqd.	6 cents per ½ oz., prepaid. 10 cents " unpaid.
Local or "Drop" Letters (that is, Letters for Delivery from same Office where they are posted).	Local Letters, 1 ct. each. Prepayment by Stamp required.	.....	.....	.....	.....
Books and Pamphlets...	1 cent per oz.—Prepayment by Stamp required.	British Book Post (*a*)..	9 cents per 4 oz.....	French Book Post (*b*)	1 cent per oz.—Prepayment required.
Circulars, printed.....	1 cent each when sent singly.—Prepayment by Stamp required.	Do.	.....	Do.	Do. Do.
Newspapers, Canadian, (sent to subscribers).	Once a wk., 5 cts. a Qrter Twice " 10 " " 3 times " 15 " " Daily 30 " "	If prepaid from office of publication, subject to same commuted rates as to subscribers in Canada.	As by Canadian Steamer (covering Canadian Postage only) but subject on delivery to 1d. Stg. each.	Do.	Same as between places in Canada, subject on delivery to American Postage.
Newspapers, Transient .	2 cents each.—Prepayment by Stamp required.	2 cents each —Prepayment by Stamp required.	2 cents each.—Prepayment by Stamp required.	Do.	2 cts. each.—Prepayment by Stamp required.
Periodicals.....	1 ct. per 4 oz.—Prepayment by Stamp required.	2 c. each No., if published in Canada: British Bk. Post, if Foreign (*a*)	9 cents per 4 oz.—Prepayment by Stamp required.	Do.	1 cent per 4 oz.—Prepayment by Stamp requir'd.
Prices Current.....	1 cent per oz.—Prepayment by Stamp required.	2 cents each; or, in bulk at British Book Post. (*a*)	2 cents each.—Prepayment by Stamp required.	Do.	1 cent per oz.—Prepayment by Stamp requir'd.
Parcels.....	12½ cts. per ½ lb. (*c*)—Prepayment by Stamp required.	.....	.....	.....	.....
Patterns and Samples of Merchandise.	1 cent per oz.—Prepayment by Stamp required.	British Book Post (*a*).	.....	.....	.....
Photographs (Cartes de Visite).	Do. Do. Do.	Do. Do.	.....	French Book Post (*b*)	1 cent per oz.—Prepayment by Stamp requir'd.

Explanation for a. b. c.—See page 36.

Books and Church Services in every variety of Binding.

(*a*) BRITISH BOOK POST.

Under 4 ounces	7 cents.
Between 4 and 8 oz.	12½ "
" 8 and 12 oz.	19 "
" 12 oz. and 1 lb.	40 "

and so on.

(*b*) FRENCH BOOK POST.

Under 2 ounces	5 cents.
Between 2 and 4 oz.	10 "
" 4 and 8 oz.	20 "
" 8 oz. and 1 lb.	40 "

and so on.

(*c*) PARCEL POST.

Under ½ lb.	12 cents.
Between ½ lb. and 1 lb.	25 "
" 1 lb. and 1½ lb.	37½ "
" 1½ lb. and 2 lbs.	50 "
" 2 lbs. and 2½ lbs.	62½ "
" 2½ lbs. and 3 lbs.	75 "
" 3 lbs. and 3½ lbs.	87½ "
" 3½ lbs. and 4 lbs.	$1.00
Registration Fee	5 "

Parcels sent by Post to places in Canada may contain books, daguerreotypes, photographs, printer's proof and copy, military returns, states and rolls containing written figures and signatures, returns, deeds, legal papers, and all transmissions of a like character, not being strictly letters.

A Book Packet may contain any number of separate books, publications, works of literature and art, maps or prints, photographs, daguerreotypes, when not on glass, or in frames containing glass; any quantity of paper, vellum, or parchment (to the exclusion of letters); and the book, maps, papers, &c., may be either written, printed or plain, or any mixture of the three; and may be either British, Colonial or Foreign.

Book Packets must be open at *both ends or both sides.*

REGISTRATION.

No Letter, Book, Newspaper, Parcel or Packet of any kind whatever can be received for registration unless both postage and registration fee are fully prepaid.

REGISTRATION FEE ON LETTERS.

To any place in Canada, Newfoundland or Prince Edward's Island	2 cents.
" the United States	5 "
" the United Kingdom	8 "
" France	17 cents per ½ oz.

Australian colonies, Letters, 23 cents per ½ oz.; Newspapers, 5 cents each,
Bermuda, Letters, 12 cents per ½ oz.; Newspapers, 2 cents each.
British Columbia, Letters, 10 cents per ½ oz.; Newpapers, 5 cents each.
Cuba and St. Thomas, Letters, 10 cents per ½ oz.; Newspapers, 2 cents each.
Gibraltar, Letters, 23 cents per ½ oz.; Newspapers, 3 cents each.
India, Letters, 30 cents per ½ oz.; Newspapers, 5 cents each.
Italy (*not including Rome*), Letters, 23 cents per oz.; Newspapers, 6 cents under 2 oz.—13 cents under 4 oz.
Malta, Letters, 23 cents per ½ oz.; Newspapers, 3 cents each.
Newfoundland, Letters, 12½ cents per ½ oz.; Newspapers and Books, same as between places in Canada.
New Zealand, Letters, 23 cents per ½ oz.; Newspapers, 5 cents each.
Norway, Letters, 27 cents per ½ oz.; Newspapers, 6 cents under 2 oz.—13 cents under 4 oz.
Prince Edward's Island, Letters, Books, Papers, &c., the same as between places in Canada.
Prussia, Letters, 23 cents per ½ oz.; Newspapers, 6 cents under 2 oz.—13 cents under 4 oz.
Red River, Letters, 6 cents per ½ oz.; Newspapers, 2 cents each.
Rome, Letters, 29 cents per ½ oz.; Newspapers, 3 cents each.

R. MILLER Manufactures and keeps constantly in stock

Switzerland, Letters, 26 cents per ½ oz.; Newspapers, 6 cents under 2 oz.—13 cents under 4 oz.

Vancouver's Island, Letters, 10 cents per ½ oz.; Newspapers, 2 cents each.

West Indies (British), Letters, 10 cents per ½ oz., if marked *via* New York, 12 cents *via* Halifax; Newspapers, 2 cents each.

West Indies (Foreign) *except Cuba and St. Thomas*, Letters, 22 cents per ½ oz., if marked *via* New York; 12 cents *via* Halifax; Newspapers, 3 cents *via* New York; 2 cents *via* Halifax.

MEMORANDA.

Prices Current and Circulars for Great Britain, to pass as such, may not be placed in envelopes.

Photographs *in Cases*, within the Dominion, are liable to Parcel Post rates.

Samples or Seeds, including Cuttings, Bulbs, Roots, &c., pass at one cent per oz. within the Dominion, prepaid.

Letters containing Money or Valuable Enclosures should be registered.

MONEY ORDER DEPARTMENT ON THE UNITED KINGDOM.

The Canadian Money Order Offices draw upon all the Money Order Offices in England, Ireland, and Scotland, and the Channel Islands, for any sum up to £10 sterling, and grant as many Orders for £10 sterling each, as may be needed to make up the amount to be remitted. The terms are as under: -

On Orders up to £2					25 cents.
On Orders over £2, and up to £5					50 "
"	"	5	"	7	75 "
"	"	7	"	10	$1.00 "

ON THE LOWER PROVINCES.

The Canadian Money Order Offices draw upon all Money Order Offices in Prince Edward Island and Newfoundland. The Orders, like those of the United Kingdom, are made payable in sterling money, and for sums up to £10 sterling. The terms are:—

For Orders up to £5	25 cents.
For Orders over £5, and up to £10	50 "

SAVINGS BANK DEPARTMENT.

The Postmaster-General will receive at any of the Post Office Savings Banks, deposits paid to the postmasters by persons wishing to place their money in the Government Savings Banks.

2. The direct security of the Dominion is given by the Statute for all deposits made.

3. At each Post Office Savings Bank, the Savings Bank regulations may be read by the public, giving full information with respect to the mode of depositing and withdrawing money, and these regulations are printed on the cover of the pass-book supplied to each depositor.

4. Any person may have a deposit account, and deposits will be received daily, during the ordinary hours of post office business, of any number of dollars, from $1 up to $300, the total amount which can be received from a depositor in any one year, except in cases to be specially authorized by the Postmaster-General.

5. The postmasters of the offices named will act as agents for the receipt of the money deposited for transmission to the Postmaster-General, and for the payment by the Postmaster-General of money withdrawn by depositors.

6. Each depositor will be supplied with a pass-book, and the sums paid in, or withdrawn, will be entered therein by the postmaster receiving or paying the same. In addition, a direct receipt for each amount paid in, will be sent to the depositor from the Postmaster-General, and the Postmaster-General will issue a cheque, payable at any Post Office Savings Bank desired, for any sum withdrawn.

7. Every depositor's account will thus be kept with the Postmaster-General, and a depositor may pay into his or her account with the Post Office Savings Bank, at any of the Savings Bank Post Offices which at the time may best suit his convenience, and may exercise the same choice in drawing out money, subject only to the obligation of producing the pass-book, in proof of identity—whenever paying in or drawing out money.

8. Interest at the rate of 4 per cent. per annum will be allowed on deposits lying in the ordinary deposit accounts, but when a depositor has $100 deposited, he or she may request the Postmaster-General to transfer this sum to a special account, and will then receive certificate of such special $100 deposit, bearing interest at 5 per cent. per annum.

Bill Books, Pass Books, Time Books and Pocket Books,

9. Postmasters are forbidden by law to disclose the name of any depositor, or the amount of any sum deposited or withdrawn.

10. No charge will be made to depositors on paying in, or drawing out money, nor for postage on communications with the Postmaster-General in relation thereto.

THE STAMP ACTS.

These Acts impose a duty on every promissory note, draft, or bill of exchange, not exceeding $25, 1 cent; not exceeding $50, 2 cents; less than $100, 3 cents; *not less than* $100, if executed singly, 3 cents per $100 or fraction thereof; if executed in duplicate, 2 cents per $100 or fraction thereof on each part; if executed in more than two-parts, 1 cent per $100 or fraction thereof on each part.

Any interest payable with the note at maturity must be counted as part thereof. The duty is to be paid by *bill stamp*, on which the date is to be written. Bank notes, checks, and money orders, are exempt. These Acts impose heavy penalties for violation.

COURTS OF JUSTICE.

PROVINCE OF QUEBEC.

COURT OF QUEEN'S BENCH.

Hon. J. F. Duval, Chief Justice.
" Rêné E. Caron,
" L. T. Drummond,
" William Badgley,
" S. C. Monk,
} Puisne Judges.

COURT IN APPEAL AND ERROR.

Montreal.—1st March, 1st June, 1st September, 1st December.
Quebec —12th March, 12th June, 12th September, and 12th December.
L. W. Marchand, Clerk of Appeals; Charles Drolet, Deputy do.

COURT OF CRIMINAL JURISDICTION.

Montreal.—24th March and 24th September.
Quebec.—24th January and 24th June.
Three Rivers.—20th March and 20th September.
Sherbrooke.—1st April and 1st October.
Arthabaska.—20th February and 20th October.
Beauharnois.—20th March and 20th November.
St. Hyacinthe.—1st May and 1st December.
St. Johns.—22nd May and 12th December.
St. Scholastique.—7th January and 2nd July.
Aylmer.—21st January and 1st July.

Terms to continue till the business is closed. Extraordinary terms may be held by proclamation.

Account and Registration Books, ruled, printed

SUPERIOR COURT.

Jurisdiction for sums exceeding $200.

Honorable William Collis Meredith, Chief Justice.

Hon. Charles Mondelet,
" Peter Winter,
" Andrew Stuart,
" Edward Short,
" David Roy,
" T. J. J. Loranger,
" Aimé Lafontaine,
" F. O. Gauthier,

Hon. Joseph N. Bosse,
" Robert Mackay,
" Fred. A. Torrance,
" Jos. A. Berthelot,
" L. V. Sicotte,
" A. Polette,
" F. G. Johnson,
" Jean Taschereau.

TERMS.

* MONTREAL.—† Hochelaga, Jacques Cartier, Laval, Vaudreuil, Soulanges, Laprairie, Chambly, Verchères, and city of Montreal. Held at Montreal from 17th to 27th of every month, except January, July and August. Hubert, Papineau and Honey, prothonotaries; G. Pyke, deputy prothonotary; Tancrède Bouthillier, sheriff; M. H. Sanborn, deputy sheriff. Joseph Jones, coroner.

QUEBEC.—Portneuf, Quebec, Montmorenci, Levy, Lotbinière and city of Quebec. Held at Quebec from 1st to 5th of every month, except January, July and August. Fiset and Burroughs, prothonotaries; Hon. Charles Alleyn, sheriff.

OTTAWA.—Ottawa and Pontiac.—Held at Aylmer from 13th to 19th February, June and November. Henry Driscoll, prothonotary; Louis M. Coutlée, sheriff.

THREE RIVERS.—Maskinongé, St. Maurice (including city of Three-Rivers), Chaplain and Nicolet. Held at Three Rivers from 13th to 19th of March, June, September and December. Edward Barnard, prothonotary; ————————, sheriff.

ST. FRANCIS.—Richmond (including town of Sherbrooke), Wolfe, Compton, and Stanstead. Held at Sherbrooke from 20th to 26th February, May, October, and December. Short and Morris, prothonotaries; G. F. Bowen, sheriff.

TERREBONNE.—Argenteuil, Two Mountains, and Terrebonne. Held at St. Scholastique, from 13th to 19th February, May, and October. Jules R. Berthelot, prothonotary; Alphonse Raby, sheriff.

JOLIETTE.—L'Assomption, Montcalm, and Joliette. Held at Joliette from 13th to 19th February, May, and October. Louis Thomas Groulx, prothonotary; B. H. Leprohon, sheriff.

---

* Districts. † Counties, &c., comprised.

Appeals from the Circuit Court to the Queen's Bench are allowed, by the 20th Vict., chap. 44, sec. 60, in cases over $100.

Every day, not a Sunday or a Holy day, is a Judicial day.

The Circuit Court at the *chef-lieu* of a district has concurrent jurisdiction with the Circuit Court in and for the various counties in the same district.

---

and bound to any pattern by ROBERT MILLER.

RICHELIEU.—Richelieu, Yamaska, and Berthier. Held at Sorel from 13th to 19th March, June, and November. Antoine N. Gouin, prothonotary; Michel Mathieu, sheriff.

RIMOUSKI.—Rimouski. Held at St. Germain from 13th to 19th March, June and October. Frs. Magloire Derome, prothonotary; Achille Fournier, sheriff.

ARTHABASKA.—Megantic, Arthabaska, Drummond. Held at Arthabaska from 13th to 19th February, May, and October. Rufus Wadleigh, prothonotary; Auguste Quesnel, sheriff.

BEDFORD.—Shefford, Missisquoi, and Brome. Held at Nelsonville from 13th to 19th February, May, and October. Frederick T. Hall, prothonotary; Foster and Cowan, sheriffs.

ST. HYACINTHE.—St. Hyacinthe, Bagot and Rouville. Held at St. Hyacinthe from 22nd to 28th February, June and November. Louis G. Delorimier, prothonotary; Louis Taché, sheriff.

IBERVILLE.—St. Johns, Napierville, and Iberville. Held at St. Johns from 16th to 21st March, June and November. Frs. H. Marchand, prothonotary; J. F. Desrivières, sheriff.

BEAUHARNOIS.—Huntingdon, Beauharnois, and Chateauguay. Held at Beauharnois from 13th to 19th March, June, and November. P. J. U. Beaudry, prothonotary; Louis Hainault, sheriff.

CIRCUIT COURTS.

Jurisdiction for sums not exceeding $200.

MONTREAL DISTRICT.—Montreal Circuit, Montreal, 10th to 15th of every month, except January, July, and August.

Vaudreuil County, Vaudreuil, 1st to 5th March, July and November.

Soulanges County, Coteau Landing, 6th to 10th March, 6th to 9th July, 6th to 10th November.

Verchères County, Verchères, 1st to 5th February, May, and October.

QUEBEC DISTRICT.—Quebec Circuit Court, 16th to 21st January and June, and 20th to 25th of every month, except July and August.

Lotbinière Circuit, Lotbinière, 13th to 22nd March, July and November.

Portneuf Circuit, Cap Santé, 7th to 16th January, May, and September.

THREE RIVERS DISTRICT.—Three Rivers Circuit, Three Rivers, 7th to 12th March, June, September and December.

Maskinongé County, River du Loup, 26th to 30th January and May, and September 28th to October 2nd.

OTTAWA DISTRICT.—Ottawa Circuit, Aylmer, 7th to 12th February, June and November.

Ottawa County, (2nd,) Papineauville, 7th to 10th January, May and September.

Pontiac Circuit, Portage du Fort, 2nd to 7th March, 20th to 25th June, and 3rd to 8th November.

Paper Bags of every quality and size suitable for all trades

TERREBONNE DISTRICT.—Terrebonne Circuit, St. Scholastique, 7th to 12th February, May and October.

Terrebonne County, St. Jérôme, 2nd to 6th February, May, and October.

Argenteuil County, Lachute, 12th to 16th January, May, and September.

RICHELIEU DISTRICT.—Richelieu Circuit, Sorel, 7th to 12th February, May, and October.

Berthier Circuit, Berthier, 25th to 29th February, May, and October.

Yamaska County, St. François, 20th to 24th February, May and October.

BEDFORD DISTRICT.—Bedford Circuit, Nelsonville, 7th to 12th February, May and October.

Brome County, Knowlton, 10th to 14th March, June, and November.

Shefford County, Waterloo, 21st to 25th January, April, and September.

Missisquoi County (2nd), Bedford, 28th to 31st January, May and October.

ST. HYACINTHE DISTRICT.—St. Hyacinthe Circuit, St. Hyacinthe, 22nd to 27th January, March and October.

Rouville County, Marieville, 15th to 19th February, May and October.

IBERVILLE DISTRICT.—Iberville Circuit, St. Johns, 11th to 15th March, June and November.

Napierville County, Napierville, 1st to 5th March, June and November.

Iberville County, Iberville, 6th to 10th March, June and November.

BEAUHARNOIS DISTRICT.—Beauharnois Circuit, Beauharnois, 7th to 12th March, June and November.

Chateauguay County, St. Martine, 2nd to 6th March, June and November.

Huntingdon County, Huntingdon, 15th to 19th January, April and September.

ST. FRANCIS DISTRICT.—St. Francis Circuit, Sherbrooke, 10th to 16th February, May, October and December.

Stanstead Circuit, Stanstead Plain, 1st to 4th February, June, September and December.

Compton County, Cookshire, 8th to 12th January, June and November

Richmond County, Richmond, 1st to 5th March, July and November.

Richmond County (2nd), Danville, 14th to 18th January, April and September.

ARTHABASKA DISTRICT.—Arthabaska Circuit, Arthabaskaville, 7th to 12th February, May and October.

Drummond County, Drummondville, 20th to 24th March, June and November.

Megantic County, Inverness, 20th to 24th March, June and November.

constantly on hand or made to order by R. MILLER.

PROVINCE OF ONTARIO.

COURTS.

COURT OF ERROR AND APPEAL.—*Judges*, Hon. W. H. Draper, C.B., Chief Justice of Ontario; Hon. P. M. Vankoughnet, Chancellor of Ontario; combined with the Judges of the Chancery, Queen's Bench, and Common Pleas Courts.

COURT OF QUEEN'S BENCH.—The Jurisdiction of this Court extends to all manner of actions, causes, and suits, criminal and civil, real, personal, and mixed, within Ontario. *Chief Justice*, Hon. W. H. Draper, C.B. *Puisné Judges*, Hon. John Hawkins Hagarty, D.C.L., and Hon. J. Morrison.

COURT OF CHANCERY.—This Court has the like jurisdiction as the Court of Chancery in England, in cases of fraud, accident, trusts, executors, administrators, co-partnerships, accounts, mortgages, awards, dower, infants, idiots, lunatics, and their estates, waste, specific performances, discovery, and to prevent multiplicity of suits, staying proceedings at law prosecuted against equity and good conscience, and may decree the issue, repeal, or avoidance of letters patent, and generally the like powers which the Court of Chancery in England possesses, to administer justice in all cases in which there is no adequate remedy at law. *Chancellor*, Hon. P. M. Vankoughnet, D.C.L. *Vice-Chancellors*, Hon. Oliver Mowat, and Hon. John Godfrey Spragge. *Master*, Andrew Norton Buell.

COURT OF COMMON PLEAS.—This Court has the same power and jurisdiction as a Court of Record, as the Court of Queen's Bench. *Chief Justice*, Hon. W. B. Richards. *Puisné Judges*, Hon. A. Wilson, and Hon. J. Wilson.

HEIR AND DIVISEE COURT.—*Commissioners*, the Judges of the Superior Courts, and such other persons as may be appointed by commission under the Great Seal. These duties are to determine claims to lands in Ontario, for which no patent has issued from the Crown in favor of the proper claimants, whether as heirs, devisees or assignees. Sittings at Toronto, first Monday in January and July in each year. *Clerk of Commissioners*, W. B. Heward.

COUNTY COURTS.—Presided over by a resident Judge in each county. Their jurisdiction extends to all personal actions where the debt or damages claimed do not exceed $200; and to all suits relating to debt, covenant or contract, where the amount is ascertained by the acts of the parties or signature of the defendant to $400; and to all bail bonds and recognizances of bail given in the County Court to any amount; but not to cases involving the title to lands, validity of wills, or actions for libel, slander, criminal conduct, or seduction. An appeal lies to either of the Superior Courts of Law. These Courts also possess equity powers to the amount of $200, subject to an appeal to Chancery.

COURTS OF QUARTER SESSIONS.—*Chairman*, the County Judge in each county, who, with one or more Justices of the Peace, holds a Court of Quarter Sessions in his county four times a year for trials by jury in cases of felony and misdemeanor, but treason and capital felonies are exempted from their jurisdiction.

INSOLVENT DEBTOR'S COURTS.—By the "Insolvent Acts of 1864 and 1865," 27 and 28 Vict., chap. 57, and 29 Vict., chap. 18, provision is made "for the settlement of the estates of insolvent debtors, for giving

ROBERT MILLER keeps constantly in stock or makes

effect to arrangements between them and their creditors, and for the punishment of fraud." In Province of Quebec, this enactment applies to traders only. In Province of Ontario, to all persons whether traders or non-traders. In these Courts, the County Court Judge in each county presides—the only appointments made in pursuance of this statute being those of "official assignees," who are to be nominated "by the Board of Trade at any place, or the council thereof, within the county or district in which such Board of Trade exists, or in any county or district adjacent thereto in which there is no Board of Trade."

TERMS OF THE COURTS.

APPEAL TERMS.—Commence on the second Thursday next after Hilary, Easter, and Michaelmas Terms.

LAW TERMS.—Hilary begins first Monday in February, and ends Saturday of the ensuing week; Easter begins third Monday in May, and ends Saturday of the second week thereafter; Michaelmas begins third Monday in November, and ends Saturday of the second week thereafter.

CHANCERY TERMS.—*Examination Terms.*—From first Tuesday of February to the Saturday after second Tuesday of April; and from first Tuesday of September to the Saturday after first Tuesday of November.

HEARING TERMS.—From fourth Monday in April until Saturday of the following week; and from third Monday in November until Saturday of the following week.

COUNTY COURT TERMS.—Commence on the first Monday in January, April, July and October, and end the following Saturday.

TO PRESERVE WOOD FROM FIRE.—A process for preserving wood deserves a short notice, since it offers one or two advantages over the processes commonly adopted. These consist in impregnating the wood with either a metallic solution, as sulphate of copper or sulphate of iron, or creosote of coal tar. This last gives a disagreeable odour to the wood, and the two former more or less change the colour. In either case the process is not adapted for floorings or other woodwork that is left exposed. The new material suggested is borax. Wood to be preserved is immersed in a saturated solution of this salt, and heat is gradually applied until the solution reaches 212 deg Fahr., and it is then left for ten or twelve hours, according to the nature of the wood and the size of the planks. The wood is then to be removed from the tank, and stacked for a time, and then it is again immersed in a weaker solution of borax for about half the former time. It is then to be dried and will be ready for use. It is advisable to dry hard woods before immersion, and put them in the solution while the wood is still warm. With this process, it will be seen that no alteration of colour is produced and another recommendation is that the wood will be rendered very much less combustible. The rapidity with which a fire now spreads from floor to floor, shows the great desirability of adopting some means for at least delaying the progress of the flames. We have no doubt the use of borax, as here suggested, would effect this without adding very much to the expense of the structure. If it is desired to make the wood impermeable to water, this can be done by dissolving some shellac in the solution of borax. It would give a brownish colour to the wood, but would not be otherwise objectionable, and flooring would be rendered non-absorbent at all events to cold water.

---

to order, printing Manilla and Wrapping Papers. 'S.

BANKS IN CANADA.

With their Agencies.

PLACES.	NAMES OF BANKS.	OFFICERS.
Barrie	Bank of Commerce	E. S. Lally, agent.
	Toronto	J. M. Smith, manager.
Belleville	Montreal	W. R. Dean, manager.
	Merchants of Canada	Andrew Thomson, manager.
Berlin	do. do.	R. N. Rodgers, agent.
Bowmanville	ONTARIO	D. Fisher, cashier.
	Royal Canadian	R. Young, agent.
Brantford	B. N. America	A. Robertson, manager.
	Montreal	F. F. Blackadder, acting manager.
Brockville	Montreal	J. N. Travers, manager.
Brampton	Royal Canadian	R. C. Fitzgerald, agent.
Chatham, Ont.	Royal Canadian	W. H. Monsell.
	Merchants of Canada	W. S Ireland, manager.
Cobourg	Montreal	J. Porteous, manager.
	Toronto	J. H. Roper, manager.
	Royal Canadian	Alfred Stowe, agent.
Cornwall	Montreal	J. Cox, agent.
Clinton	Royal Canadian	M. Lough, agent.
Elora	Montreal	W. P. Newman, agent.
Fergus	Montreal	G. D. Fergusson, agent.
	Royal Canadian	John Beattie, agent.
Galt	Gore	John Davidson, manager.
	Merchants of Canada	William Cooke, manager.
	Royal Canadian	W. F. Patterson.
Goderich	Montreal	J. H. Finlay, acting agent.
	Royal Canadian	A. M. Ross, manager.
Guelph	Gore	———, manager.
	Montreal	C. Brough, acting manager.
	Ontario	E. Morrice, manager.
	Bank of Commerce	G. W. Sandilands, manager.
Hamilton	GORE	W. G. Cassels, cashier.
	B. N. America	W. N. Anderson, manager.
	Montreal	W. J. Buchanan, manager.
	Merchants of Canada	James Bancroft, manager.
	Ontario	R. Milroy, manager.
	Royal Canadian	H. McKinstry, agent.
	Bank of Commerce	C. R. Murray, manager.
Ingersoll	Niagara District	C. E. Chadwick, agent.
	Merchants of Canada	C. H. Sorley, agent.
Kingston	B. N. America	Jeffery Penfold, manager.
	Montreal	R. M. Moore, manager.
	Royal Canadian	G. E. Small, agent.
	Merchants of Canada	J. G. Macdonald, manager.
Lindsay	Ontario	J. H. Woodman.
	Montreal	H. Dunsford, agent.
London	Bank of Commerce	H. S. Strathy, manager.
	B. N. America	Thomas Corsan, manager,
	Montreal	F. W. Thomas, manager.
	Gore	H. S. Strathy, manager.
	Merchants of Canada	W. F. Harper, manager.
Montreal	MONTREAL	E. H. King, general manager. R. B. Angus, manager.
	CITY BANK	F. McCulloch, cashier.
	DU PEUPLE	A. A. Trottier, cashier.
	MOLSONS	W. Sache, cashier.
	JACQUES CARTIER	H. Cotté, cashier.
	MERCHANTS OF CANADA	Jackson Rae, cashier.
	B. N. America	Thomas Paton, general manager. A. C. Hooper, manager.
	Quebec	J. B. Remy, manager.

Every variety of plain and ornamental Book-Binding.

PLACES.	NAMES OF BANKS.	OFFICERS.
Montreal—Contin'd	Toronto	Duncan Coulson.
	Ontario	Henry Starnes, manager.
	Union Bank of Lower Canada	P. MacEwan, manager.
	Royal Canadian	M. H. Gault, manager.
	Mechanics' Bank	Alex. Molson, managing director.
	Niagara District	Ontario Bank, agents.
	Eastern Townships	Bank of Montreal, agents.
	Bank of Commerce	Molsons Bank, agents.
Newcastle, N. B.	Montreal	F. E. Wouslow, agent.
Nicolet	Quebec	L. M. Cresse, agent.
Napanee	Merchants of Canada	Alex. Smith, agent.
Newmarket	Royal Canadian	J. Cawthra, agent.
Oshawa	Ontario	C. Holland, sub-manager.
Ottawa	B. N. America	A. C. Kelty, manager.
	Montreal	A. Drummond, manager.
	Quebec	H. V. Noel, manager.
	Ontario	E. S. Eastwood, manager.
Owen Sound	Royal Canadian	M. P. Hayes.
	Merchants of Canada	J. Pottenger, agent.
Paris	Gore	James Nimmo, manager.
Pembroke	Quebec	J. Walker, agent.
Perth	Montreal	W. Munro, agent.
	Royal Canadian	R. D. Freeman, agent.
	Merchants of Canada	James Grey, agent.
Peterborough	Ontario	G. E. Shaw, agent.
	Royal Canadian	W. M. Ogilvie, agent.
	Toronto	A. Smith, manager.
	Montreal	R. Richardson, agent.
Picton	Montreal	F. A. Despard, agent.
Por Hope	Ontario	John Smart, manager.
	Royal Canadian	A. H. McDougall, agent.
	Toronto	A. Morgan Cosby, manager.
	Montreal	W. P. M. Crombie, agent.
Port Perry	Royal Canadian	J. Bigelow, agent.
Prescott	Merchants of Canada	L. Gibson, agent.
Quebec	QUEBEC	James Stevenson, cashier.
	LA BANQUE NATIONALE	F. Vezina, cashier.
	Bank of Commerce	Union Bank of L. C. agents.
	B. N. America	C. F. Smith, manager.
	Eastern Townships	Quebec Bank, agents.
	Montreal	———, manager.
	City Bank	Daniel McGie, agent.
	Du Peuple	Banque Nationale, agents.
	Toronto	Banque Nationale, agents.
	Union Bank of Lower Canada	W. Dunn, cashier.
Sarnia	Montreal	Hon. A. Vidal, agent.
Seaforth	Royal Canadian	W. H. Russell.
Sherbrooke	City Bank	Wm. Addie, agent.
	Eastern Township	Wm. Farwell, jun., cashier.
Simcoe	Gore	D. Campbell, manager.
	Bank of Commerce	H. Goff, agent.
	Montreal	J. L. Scarth, acting agent.
Southampton	Merchants of Canada	A. Sproat, agent
Stanbridge	Eastern Townships	J. C. Baker, manager.
Stanstead	Eastern Townships	A. P. Ball, manager.
St. Catherines	NIAGARA DISTRICT	C. M. Arnold, cashier.
	Quebec	D. R. Wilkie, agent.
	Bank of Commerce	H. C. Barwick, manager.
	Royal Canadian	J. A. Goodman.
St. Marys	Montreal	R. Hillyard, agent.
St. Thomas	Merchants of Canada	J. Macdonald, agent.
Stratford	Montreal	J. Hogg, agent.
	Merchants of Canada	C. H. Ransom, agent.
	Royal Canadian	J. Young, agent.
Strathroy	Bank of Commerce	J. S. Small, agent.
Three Rivers	Quebec	John McDougall, agent.
Toronto	BANK OF TORONTO	Geo. Hague, cashier.
	BANK OF COMMERCE	R. J. Dallas, cashier.
	Merchants of Canada	J. G. Harper, manager.

executed with neatness and dispatch at R. MILLER'S.

Places.	Names of Banks.	Officers.
Toronto—continued	Ontario	A. Fisher, manager.
	B. N. America	Sam. Taylor, manager.
	Montreal	G. W. Yarker, manager.
	City Bank	John Moat, agent.
	Quebec	R. H. Bethune, manager.
	Royal Canadian	— Simpson, cashier.
Waterloo, Q.	Eastern Townships	W. G. Parmalee, manager.
Waterloo, Ont.	Ontario	D. J. Crawford, manager.
Whitby	Royal Canadian	A. Richardson, agent.
	Ontario	K. F. Lockhart, manager.
Windsor, Ont.	Merchants of Canada	C. D. Grassett, agent.
Woodstock	Gore	Robt. H. Park, manager.
	Bank of Commerce	W. A. Simpson, manager.
	Royal Canadian	J. M. Burns, agent.
Halifax, N. S.	Montreal	E. C. Jones, agent.
	B. N. America	James Goldie, manager.
St. John, N. B.	Montreal	A. Macnider, agent.
	B. N. America	R. R. Grindley, manager.
	Quebec	Commercial Bank.
St. Johns, N. F.	Montreal	Union Bank of Newfoundland.
	B. N. America	Union Bank of Newfoundland.
Victoria, (V. I.)	B. N. America	R. Burrell, int. manager.
British Columbia	Montreal	Bank of British Columbia.
	B. N. America	George Grant, agent.

Bread.—The nutritive properties of bread depend on the starch and gluten it contains. Wheat starch, like all other kinds, affords heat to the body during digestion, whilst the gluten containing, as it does, nitrogen, repairs the loss of the tissues. Formerly the cells of the bread composed of gluten were formed by adding yeast or leaven, by the action of which, through fermentation and decomposition, carbonic acid is produced; this gas getting into the gluten *raises* the dough, that is, forms the cells. This plan, however, is at once wasteful, and frequently injurious, hence many others have been proposed by way of improvement; one is, that of producing the carbonic acid by mixing with the flour due proportions of carbonate of soda and hydrochloric acid, the products of which are common salt and carbonic acid gas. But the best method, and that by which the "Aerated Bread" is produced, is that of Dr. Dauglish. The carbonic acid is formed in a separate vessel, and then mixed, under high pressure, with water; this liquid is then mixed, also under pressure, with the flour, and the dough so formed, on being allowed to escape from the vessel, is light, porous, and makes pure, nutritious and wholesome bread.

Snake Poison.—The chief elements of snake poisons is formic acid. By digesting this with chromic acid, readily obtained from bichromate of potass, by the addition of sulphuric acid, the result is the production of carbonic acid and water. Hence dilute chromic acid may be safely employed as an antidote to snake poisons. It has been found that the poison infused by snake-bites may be successfully destroyed by applying carbolic acid to the wound. At the same time, ten drops of the acid, diluted with brandy and water, are to be administered at intervals, until the stupor and drowsiness, usually following the bite of a snake, are removed. The plan has been extensively adopted in Australia.

ROBERT MILLER, Manufacturing Stationer,

Earth Closet System.—One of the most important inventions of 1867–68, in a sanitary and social point of view, was that of the earth-closet system, invented by the Rev. H. Moule, and for the use of which in India the Government presented him with a gratuity of £500. Its merit consists simply in the fact, that dry earth containing alumina (clayey matter) will readily absorb and deodorise human excreta that fall upon it. A most excellent manure is simultaneously produced, equal in value to guano, because all the phosphates, ammonia, &c., are absorbed. In every respect, indeed, scientifically and socially, the invention is of the utmost value.

Economy of Water.—The intense heat of July and August, 1868, dried up most of the ponds ordinarily employed to water cattle. Were such stores of water protected by trees, a vast quantity of the liquid might be preserved in the hottest summer. In forty days an unprotected pond will lose by evaporation out of 14,000 gallons, about 9000 gallons, which are sufficient to supply a flock of sheep for that period. Willows, which grow rapidly on the edges of streams, might thus be advantageously employed by the farmer to protect his standing stores of water.

Destruction of Insects.—Petroleum, paraffin, and other similar oils, have been largely and successfully employed as a remedy against many insects, such as bugs, &c., that infest the household. A simple wash of the oil on the resorts of such vermin is only required.

Disease of Parasitic Origin.—Dr. Richardson, of Cayuga Co., U. S., has shewn that meat, if exposed to air and moisture, quickly generates an enormous quantity of parasitic creatures, that, entering the blood of man, produce and propagate disease. According to his investigation, a few drops of human blood so affected contain more than twenty times in number the whole population of man in the world.

Effects of the Moon, on the Weather.—From time immemorial it has been considered, popularly, that the changes of the moon affect the weather. Until very recently, however, all philosophers of the present day denied the possibility of such an influence. But in a paper read early in 1868, before the Academy of Sciences, Paris, it was shown that the moon has an influence, due to its effect on the temperature of the earth. At new moon no heat is reflected to the earth by the moon, whereas, at full moon, we receive heat-rays. Consequently, the temperature of the atmosphere, &c., is affected, and necessarily an effect on the weather must follow.

Carbolic Acid, a Cure for Foot-rot in Sheep.—Some very interesting experiments have been carried on at Victoria, Australia, in the use of carbolic acid for the above-named purpose. The acid should be mixed with some greasy substance, to make it adhere to the feet; and may be applied by means of a brush. For large flocks, troughs are filled with the mixture, and the sheep made to pass through it, by means of which the feet are effectually coated. The result is said to have been very successful.

School Book Publisher, and General Book-Binder,

WALL PAPERS! WALL PAPERS!!

PAPER HANGINGS,

WINDOW SHADES! WINDOW SHADES!!

NEW AND ELEGANT DESIGNS,

FOR 1870.

I am now making these GOODS a leading feature in my business, and have lately so perfected my arrangements with the Manufacturers in Great Britain, that my customers if they prefer it can have these orders shipped direct from the factories. The wall paper can be had either by the pieces or done up in assorted bales from 400 to 500 pieces at from 4½ cents to 50 cents per piece.

—o—

ROBERT MILLER,

IMPORTER AND WHOLESALE

STATIONER,

MONTREAL.